

JS Bloor (Wilmslow) Ltd		Page 1
Dean Court 85 Adlington Road Wilmslow SK9 1BT		
Date 07/02/2024 11:01 File STORM PHASE 4 -	Designed by d_southa Checked by	
Elstree Computing Ltd	Network 2017.1.1	

Network Design Table for Surface Network 5

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
3.000	44.282	0.825	53.7	0.072	5.00	0.0	0.600	o	375	Pipe/Conduit	
3.001	19.072	0.140	136.2	0.093	0.00	0.0	0.600	o	450	Pipe/Conduit	
3.002	36.653	0.175	209.4	0.151	0.00	0.0	0.600	o	525	Pipe/Conduit	
3.003	14.380	0.320	44.9	0.105	0.00	0.0	0.600	o	525	Pipe/Conduit	
1.008	27.959	0.140	199.7	0.123	0.00	0.0	0.600	o	525	Pipe/Conduit	
1.009	21.589	0.230	93.9	0.000	0.00	0.0	0.600	o	525	Pipe/Conduit	
1.010	25.448	0.070	363.5	0.120	0.00	0.0	0.600	o	525	Pipe/Conduit	
4.000	23.367	0.999	23.4	0.067	5.00	0.0	0.600	o	300	Pipe/Conduit	
1.011	16.716	0.040	417.9	0.026	0.00	0.0	0.600	o	525	Pipe/Conduit	
1.012	19.123	0.035	546.4	0.051	0.00	0.0	0.600	o	525	Pipe/Conduit	
1.013	18.537	0.360	51.5	0.086	0.00	0.0	0.600	o	600	Pipe/Conduit	
5.000	45.943	0.360	127.6	0.184	5.00	0.0	0.600	o	450	Pipe/Conduit	
5.001	17.179	0.155	110.8	0.113	0.00	0.0	0.600	o	450	Pipe/Conduit	
6.000	42.376	0.457	92.8	0.072	5.00	0.0	0.600	o	300	Pipe/Conduit	
6.001	19.218	0.119	161.9	0.109	0.00	0.0	0.600	o	375	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	E I.Area (ha)	E Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
3.000	50.00	5.30	95.930	0.072	0.0	0.0	0.0	2.48	273.7	9.8
3.001	50.00	5.48	95.030	0.165	0.0	0.0	0.0	1.74	276.7	22.4
3.002	50.00	5.88	94.815	0.316	0.0	0.0	0.0	1.54	334.2	42.7
3.003	50.00	5.95	94.640	0.421	0.0	0.0	0.0	3.35	724.7	57.0
1.008	50.00	7.78	94.320	1.363	0.0	0.0	0.0	1.58	342.3	184.6
1.009	50.00	7.94	94.180	1.363	0.0	0.0	0.0	2.31	500.6	184.6
1.010	50.00	8.30	93.950	1.483	0.0	0.0	0.0	1.17	253.0	200.8
4.000	50.00	5.12	95.104	0.067	0.0	0.0	0.0	3.26	230.8	9.1
1.011	50.00	8.56	93.880	1.577	0.0	0.0	0.0	1.09	235.8	213.5
1.012	50.00	8.89	93.840	1.628	0.0	0.0	0.0	0.95	205.9	220.4
1.013	50.00	8.98	93.730	1.714	0.0	0.0	0.0	3.40	960.8	232.1
5.000	50.00	5.43	94.070	0.184	0.0	0.0	0.0	1.80	286.0	24.9
5.001	50.00	5.57	93.710	0.297	0.0	0.0	0.0	1.93	307.0	40.2
6.000	50.00	5.43	94.292	0.072	0.0	0.0	0.0	1.63	115.4	9.8
6.001	50.00	5.66	93.760	0.181	0.0	0.0	0.0	1.42	157.0	24.5

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Network Design Table for Surface Network 5

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
5.002	20.959	0.046		455.0	0.050	0.00	0.0	0.600	o	525 Pipe/Conduit	
1.014	28.717	0.043		667.0	0.078	0.00	0.0	0.600	o	675 Pipe/Conduit	
1.015	26.681	0.040		667.0	0.024	0.00	0.0	0.600	o	675 Pipe/Conduit	
1.016	7.759	0.012		641.2	0.094	0.00	0.0	0.600	o	675 Pipe/Conduit	
1.017	100.192	0.000	10019229173944400.0	0.141	0.00	0.0	0.0	0.600	o	1125 Pipe/Conduit	
7.000	27.873	0.072		385.0	0.192	5.00	0.0	0.600	o	450 Pipe/Conduit	
7.001	26.555	0.069		385.0	0.166	0.00	0.0	0.600	o	450 Pipe/Conduit	
7.002	23.062	0.060		385.0	0.155	0.00	0.0	0.600	o	450 Pipe/Conduit	
7.003	28.734	0.075		385.0	0.048	0.00	0.0	0.600	o	450 Pipe/Conduit	
8.000	20.598	0.118		175.0	0.144	5.00	0.0	0.600	o	300 Pipe/Conduit	
7.004	26.598	0.139		190.9	0.119	0.00	0.0	0.600	o	450 Pipe/Conduit	
7.005	15.843	0.110		144.0	0.094	0.00	0.0	0.600	o	525 Pipe/Conduit	
9.000	25.933	0.175		148.2	0.051	5.00	0.0	0.600	o	300 Pipe/Conduit	
9.001	18.737	0.285		65.7	0.073	0.00	0.0	0.600	o	375 Pipe/Conduit	
7.006	17.288	0.210		82.3	0.074	0.00	0.0	0.600	o	525 Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
5.002	50.00	5.99	93.491	0.528	0.0	0.0	0.0	1.04	225.9	71.5
1.014	50.00	9.46	93.295	2.320	0.0	0.0	0.0	1.01	360.4	314.1
1.015	49.80	9.90	93.252	2.343	0.0	0.0	0.0	1.01	360.4	316.1
1.016	49.46	10.03	93.212	2.438	0.0	0.0	0.0	1.03	367.7	326.5
1.017	0.00	10.03	93.200	2.579	0.0	0.0	0.0	0.00	0.0«	0.0
7.000	50.00	5.45	96.165	0.192	0.0	0.0	0.0	1.03	163.8	26.0
7.001	50.00	5.88	96.093	0.358	0.0	0.0	0.0	1.03	163.8	48.4
7.002	50.00	6.25	96.024	0.513	0.0	0.0	0.0	1.03	163.8	69.4
7.003	50.00	6.72	95.964	0.560	0.0	0.0	0.0	1.03	163.8	75.9
8.000	50.00	5.29	96.157	0.144	0.0	0.0	0.0	1.19	83.8	19.5
7.004	50.00	7.02	95.889	0.823	0.0	0.0	0.0	1.47	233.5	111.5
7.005	50.00	7.16	95.675	0.917	0.0	0.0	0.0	1.86	403.6	124.2
9.000	50.00	5.34	96.250	0.051	0.0	0.0	0.0	1.29	91.1	6.9
9.001	50.00	5.47	96.000	0.124	0.0	0.0	0.0	2.24	247.1	16.8
7.006	50.00	7.28	95.565	1.116	0.0	0.0	0.0	2.47	534.7	151.1

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Network Design Table for Surface Network 5

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
10.000	20.854	0.084	248.9	0.030	5.00	0.0	0.600	o	450	Pipe/Conduit	
10.001	10.001	0.031	320.8	0.046	0.00	0.0	0.600	o	525	Pipe/Conduit	
7.007	20.220	0.335	60.4	0.082	0.00	0.0	0.600	o	525	Pipe/Conduit	
7.008	36.906	0.180	205.5	0.015	0.00	0.0	0.600	o	525	Pipe/Conduit	
7.009	28.378	0.062	455.0	0.155	0.00	0.0	0.600	o	525	Pipe/Conduit	
11.000	24.409	0.146	167.0	0.033	5.00	0.0	0.600	o	225	Pipe/Conduit	
11.001	18.487	0.078	237.9	0.041	0.00	0.0	0.600	o	300	Pipe/Conduit	
11.002	18.482	0.078	237.9	0.005	0.00	0.0	0.600	o	300	Pipe/Conduit	
12.000	50.891	0.305	167.0	0.127	5.00	0.0	0.600	o	225	Pipe/Conduit	
7.010	11.324	0.448	25.3	0.041	0.00	0.0	0.600	o	525	Pipe/Conduit	
7.011	44.443	0.835	53.2	0.054	0.00	0.0	0.600	o	525	Pipe/Conduit	
7.012	9.766	0.164	59.4	0.104	0.00	0.0	0.600	o	525	Pipe/Conduit	
7.013	7.750	0.131	59.4	0.000	0.00	0.0	0.600	o	525	Pipe/Conduit	
7.014	52.662	0.000	0.0	0.000	0.00	0.0	0.600	o	675	Pipe/Conduit	
1.018	9.903	0.050	198.1	0.000	0.00	0.0	0.600	o	750	Pipe/Conduit	
1.019	14.831	0.150	98.9	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
10.000	50.00	5.27	95.545	0.030	0.0	0.0	0.0	1.28	204.2	4.1
10.001	50.00	5.40	95.386	0.076	0.0	0.0	0.0	1.25	269.5	10.3
7.007	50.00	7.40	95.355	1.275	0.0	0.0	0.0	2.89	625.0	172.6
7.008	50.00	7.79	95.020	1.290	0.0	0.0	0.0	1.56	337.4	174.7
7.009	50.00	8.24	94.840	1.445	0.0	0.0	0.0	1.04	225.9	195.7
11.000	50.00	5.40	95.155	0.033	0.0	0.0	0.0	1.01	40.1	4.5
11.001	50.00	5.71	94.933	0.074	0.0	0.0	0.0	1.01	71.7	10.1
11.002	50.00	6.01	94.856	0.079	0.0	0.0	0.0	1.02	71.8	10.7
12.000	50.00	5.84	95.158	0.127	0.0	0.0	0.0	1.01	40.1	17.2
7.010	50.00	8.29	94.778	1.693	0.0	0.0	0.0	4.47	967.3	229.3
7.011	50.00	8.53	94.330	1.747	0.0	0.0	0.0	3.08	665.7	236.5
7.012	50.00	8.58	93.495	1.851	0.0	0.0	0.0	2.91	630.1	250.6
7.013	50.00	8.63	93.331	1.851	0.0	0.0	0.0	2.91	630.1	250.6
7.014	44.62	12.09	93.200	1.851	0.0	0.0	0.0	0.25	90.7«	250.6
1.018	44.45	12.17	93.200	4.429	0.0	0.0	0.0	1.98	876.9	533.2
1.019	44.13	12.33	93.150	4.429	0.0	0.0	0.0	1.58	111.8«	533.2

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Free Flowing Outfall Details for Surface Network 5

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
1.019	S5051 Outfall	93.800	93.000	0.000	1800	0

Simulation Criteria for Surface Network 5

Volumetric Runoff Coeff	0.750	Additional Flow - % of Total Flow	0.000
Areal Reduction Factor	1.000	MADD Factor * 10m³/ha	Storage 0.000
Hot Start (mins)	0	Inlet Coefficient	0.800
Hot Start Level (mm)	0	Flow per Person per Day (l/per/day)	0.000
Manhole Headloss Coeff (Global)	0.500	Run Time (mins)	60
Foul Sewage per hectare (l/s)	0.000	Output Interval (mins)	1
Number of Input Hydrographs		0	Number of Storage Structures 1
Number of Online Controls		1	Number of Time/Area Diagrams 0
Number of Offline Controls		0	Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model	FSR	Profile Type	Summer
Return Period (years)	2	Cv (Summer)	0.750
Region	England and Wales	Cv (Winter)	0.840
M5-60 (mm)	19.500	Storm Duration (mins)	30
Ratio R	0.411		

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Online Controls for Surface Network 5

Hydro-Brake® Optimum Manhole: S5050 Control Chamber, DS/PN: 1.019, Volume (m³): 21.5

Unit Reference	MD-SHE-0146-1240-2000-1240
Design Head (m)	2.000
Design Flow (l/s)	12.4
Flush-Flo™	Calculated
Objective	Minimise upstream storage
Application	Surface
Sump Available	Yes
Diameter (mm)	146
Invert Level (m)	93.150
Minimum Outlet Pipe Diameter (mm)	225
Suggested Manhole Diameter (mm)	1500

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	2.000	12.4	Kick-Flo®	1.209	9.8
Flush-Flo™	0.587	12.3	Mean Flow over Head Range	-	10.8

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	5.3	1.200	9.9	3.000	15.0	7.000	22.5
0.200	10.3	1.400	10.5	3.500	16.2	7.500	23.3
0.300	11.4	1.600	11.1	4.000	17.2	8.000	24.0
0.400	12.0	1.800	11.8	4.500	18.2	8.500	24.7
0.500	12.3	2.000	12.4	5.000	19.2	9.000	25.4
0.600	12.3	2.200	13.0	5.500	20.1	9.500	26.1
0.800	12.1	2.400	13.5	6.000	20.9		
1.000	11.4	2.600	14.0	6.500	21.7		

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Storage Structures for Surface Network 5

Tank or Pond Manhole: S5050 Control Chamber, DS/PN: 1.019

Invert Level (m) 93.150

Depth (m)	Area (m ²)	Depth (m)	Area (m ²)	Depth (m)	Area (m ²)	Depth (m)	Area (m ²)
0.000	2749.0	0.700	3475.2	1.400	4241.7	2.100	5046.6
0.100	2848.7	0.800	3582.3	1.500	4354.3	2.200	5164.8
0.200	2951.1	0.900	3690.3	1.600	4467.8	2.300	5283.7
0.300	3054.4	1.000	3799.0	1.700	4582.0	2.301	5283.7
0.400	3158.4	1.100	3908.5	1.800	4697.0		
0.500	3263.2	1.200	4018.8	1.900	4812.7		
0.600	3368.8	1.300	4129.8	2.000	4929.3		

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Summary Wizard of 15 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
			Level (m)	Depth (m)	Volume (m³)				
5.000		S5023	20 94.162	-0.358	0.000	0.09		23.5	OK
5.001		S5025	37 93.832	-0.328	0.000	0.16		36.0	OK
6.000		S5026	20 94.352	-0.240	0.000	0.09		9.3	OK
6.001		S5027	36 93.862	-0.273	0.000	0.16		21.1	OK
5.002		S5028	39 93.783	-0.234	0.000	0.34		58.9	OK
1.014		S5029	39 93.776	-0.194	0.000	0.67		176.4	OK
1.015		S5030	39 93.728	-0.199	0.000	0.68		170.6	OK
1.016		S8121	39 93.679	-0.209	0.000	0.74		169.8	OK
1.017	S5036 - Headwall	44 93.662	-0.663	0.000	0.17			166.3	OK
7.000		S8135	20 96.324	-0.291	0.000	0.17		24.4	OK
7.001		S8136	22 96.287	-0.255	0.000	0.29		40.4	OK
7.002		S8137	22 96.237	-0.237	0.000	0.40		54.7	OK
7.003		S8161	23 96.175	-0.239	0.000	0.41		58.1	OK
8.000		S8151	20 96.260	-0.197	0.000	0.25		18.6	OK
7.004		S8162	24 96.094	-0.246	0.000	0.42		83.4	OK
7.005		S8152	24 95.893	-0.307	0.000	0.36		91.3	OK
9.000		S8144	20 96.307	-0.243	0.000	0.08		6.5	OK
9.001		S8145	20 96.066	-0.309	0.000	0.07		14.6	OK
7.006		S8146	24 95.767	-0.323	0.000	0.31		109.6	OK
10.000		S8165	22 95.594	-0.401	0.000	0.02		3.9	OK
10.001		S8164	24 95.546	-0.365	0.000	0.05		7.8	OK
7.007		S8147	24 95.544	-0.336	0.000	0.28		124.0	OK
7.008		S8150	24 95.269	-0.276	0.000	0.43		124.9	OK
7.009		S8149	24 95.174	-0.191	0.000	0.72		135.0	OK
11.000		S5037	20 95.206	-0.174	0.000	0.12		4.3	OK
11.001		S5038	24 95.014	-0.219	0.000	0.14		8.6	OK
11.002		S5039	24 94.981	-0.175	0.000	0.13		8.3	OK
12.000		S5040	20 95.261	-0.121	0.000	0.42		16.1	OK
7.010		S5041	24 94.974	-0.329	0.000	0.30		153.8	OK
7.011		S5042	24 94.515	-0.340	0.000	0.27		157.9	OK
7.012		S5047	35 93.768	-0.252	0.000	0.53		165.4	OK
7.013		S8167	39 93.696	-0.159	0.000	0.59		162.9	OK
7.014	S5048 - Headwall	42 93.675	-0.200	0.000	0.61			156.1	OK
1.018	S5049 - Headwall	47 93.617	-0.333	0.000	0.60			299.7	OK
1.019	S5050 Control Chamber	72 93.238	-0.212	0.000	0.05			4.3	OK

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Summary Wizard of 30 minute 1 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600,
 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
1.000		S8142	21 96.800	-0.315	0.000	0.06	11.4	OK	
2.000		S8133	21 97.456	-0.254	0.000	0.06	8.9	OK	
1.001		S8134	22 96.221	-0.329	0.000	0.16	29.6	OK	
1.002		S8141	23 96.047	-0.398	0.000	0.13	40.4	OK	
1.003		S8139	23 95.847	-0.408	0.000	0.11	42.9	OK	
1.004		S8140	25 95.460	-0.385	0.000	0.16	57.5	OK	
1.005		S4008	25 95.337	-0.289	0.000	0.41	67.0	OK	
1.006		S4011	25 95.204	-0.385	0.000	0.16	69.1	OK	
1.007		S4012	25 94.740	-0.345	0.000	0.25	80.6	OK	
3.000		S8157	21 95.975	-0.330	0.000	0.03	8.5	OK	
3.001		S8159	23 95.118	-0.362	0.000	0.09	18.0	OK	
3.002		S8154	23 94.934	-0.406	0.000	0.11	32.9	OK	
3.003		S8155	23 94.751	-0.414	0.000	0.10	43.6	OK	
1.008		S5015	25 94.572	-0.273	0.000	0.46	131.5	OK	
1.009		S5016	27 94.423	-0.282	0.000	0.35	128.6	OK	
1.010	S5017 - PH4 Connection	27 94.385	-0.090	0.000	0.65	133.8	OK		
4.000		S5018	21 95.142	-0.262	0.000	0.04	7.9	OK	
1.011		S5019	27 94.349	-0.056	0.000	0.84	133.8	OK	
1.012	S5020 PH5 Connection	27 94.311	-0.054	0.000	1.00	133.3	OK		
1.013		S5021	37 93.925	-0.405	0.000	0.23	139.0	OK	

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Summary Wizard of 30 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged			Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
			Level (m)	Depth (m)	Volume (m³)				
5.000		S5023	21 94.157	-0.363	0.000	0.08		21.4	OK
5.001		S5025	39 93.825	-0.335	0.000	0.15		32.9	OK
6.000		S5026	21 94.348	-0.244	0.000	0.08		8.5	OK
6.001		S5027	37 93.856	-0.279	0.000	0.15		19.5	OK
5.002		S5028	38 93.793	-0.223	0.000	0.31		53.0	OK
1.014		S5029	38 93.787	-0.183	0.000	0.68		178.2	OK
1.015		S5030	38 93.739	-0.188	0.000	0.69		173.7	OK
1.016		S8121	38 93.688	-0.199	0.000	0.76		174.9	OK
1.017	S5036 - Headwall	41 93.672	-0.653	0.000	0.18			174.1	OK
7.000		S8135	23 96.317	-0.298	0.000	0.16		22.0	OK
7.001		S8136	25 96.279	-0.264	0.000	0.27		37.6	OK
7.002		S8137	25 96.230	-0.244	0.000	0.38		51.4	OK
7.003		S8161	25 96.170	-0.244	0.000	0.40		55.4	OK
8.000		S8151	21 96.254	-0.203	0.000	0.23		16.9	OK
7.004		S8162	25 96.089	-0.251	0.000	0.40		79.9	OK
7.005		S8152	25 95.888	-0.312	0.000	0.35		88.0	OK
9.000		S8144	21 96.303	-0.247	0.000	0.07		6.0	OK
9.001		S8145	23 96.062	-0.313	0.000	0.07		13.5	OK
7.006		S8146	25 95.762	-0.328	0.000	0.30		106.3	OK
10.000		S8165	25 95.592	-0.403	0.000	0.02		3.5	OK
10.001		S8164	25 95.542	-0.369	0.000	0.04		7.4	OK
7.007		S8147	25 95.540	-0.340	0.000	0.27		120.4	OK
7.008		S8150	25 95.265	-0.280	0.000	0.42		120.7	OK
7.009		S8149	26 95.167	-0.199	0.000	0.70		131.2	OK
11.000		S5037	21 95.203	-0.177	0.000	0.10		3.9	OK
11.001		S5038	25 95.011	-0.222	0.000	0.13		8.0	OK
11.002		S5039	26 94.978	-0.178	0.000	0.12		7.6	OK
12.000		S5040	21 95.255	-0.128	0.000	0.37		14.4	OK
7.010		S5041	26 94.972	-0.331	0.000	0.29		150.6	OK
7.011		S5042	26 94.513	-0.342	0.000	0.26		154.2	OK
7.012		S5047	37 93.765	-0.255	0.000	0.52		161.9	OK
7.013		S8167	38 93.705	-0.151	0.000	0.58		160.4	OK
7.014	S5048 - Headwall	38 93.683	-0.192	0.000	0.61			155.5	OK
1.018	S5049 - Headwall	44 93.627	-0.323	0.000	0.62			310.3	OK
1.019	S5050 Control Chamber	70 93.263	-0.187	0.000	0.07			6.3	OK

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Summary Wizard of 60 minute 1 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	28 96.791	-0.324	0.000	0.04		8.2	OK
2.000		S8133	28 97.450	-0.260	0.000	0.04		6.4	OK
1.001		S8134	28 96.204	-0.346	0.000	0.12		22.0	OK
1.002		S8141	29 96.032	-0.413	0.000	0.10		30.9	OK
1.003		S8139	29 95.834	-0.421	0.000	0.09		33.1	OK
1.004		S8140	30 95.443	-0.402	0.000	0.13		45.1	OK
1.005		S4008	30 95.308	-0.318	0.000	0.33		53.0	OK
1.006		S4011	30 95.188	-0.401	0.000	0.12		54.0	OK
1.007		S4012	30 94.722	-0.363	0.000	0.20		64.8	OK
3.000		S8157	28 95.970	-0.335	0.000	0.02		6.1	OK
3.001		S8159	29 95.104	-0.376	0.000	0.06		13.5	OK
3.002		S8154	30 94.921	-0.419	0.000	0.09		25.6	OK
3.003		S8155	30 94.738	-0.427	0.000	0.08		34.1	OK
1.008		S5015	30 94.545	-0.300	0.000	0.38		106.8	OK
1.009		S5016	31 94.375	-0.330	0.000	0.29		107.0	OK
1.010	S5017 - PH4 Connection	31 94.310	-0.165	0.000	0.55			113.9	OK
4.000		S5018	28 95.137	-0.267	0.000	0.03		5.7	OK
1.011		S5019	31 94.272	-0.133	0.000	0.74		116.9	OK
1.012	S5020 PH5 Connection	31 94.234	-0.131	0.000	0.91			121.2	OK
1.013		S5021	40 93.916	-0.414	0.000	0.21		126.3	OK

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Summary Wizard of 60 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
			Level (m)	Depth (m)	Volume (m³)				
5.000		S5023	28 94.142	-0.378	0.000	0.06		15.3	OK
5.001		S5025	40 93.810	-0.350	0.000	0.11		24.5	OK
6.000		S5026	28 94.338	-0.253	0.000	0.06		6.0	OK
6.001		S5027	40 93.844	-0.291	0.000	0.11		14.8	OK
5.002		S5028	40 93.773	-0.243	0.000	0.24		40.5	OK
1.014		S5029	40 93.766	-0.204	0.000	0.61		160.2	OK
1.015		S5030	40 93.718	-0.209	0.000	0.63		158.1	OK
1.016		S8121	43 93.668	-0.219	0.000	0.69		159.6	OK
1.017	S5036 - Headwall	45 93.651	-0.674	0.000	0.17			163.2	OK
7.000		S8135	30 96.293	-0.322	0.000	0.11		16.0	OK
7.001		S8136	30 96.255	-0.288	0.000	0.21		29.0	OK
7.002		S8137	30 96.206	-0.268	0.000	0.30		40.4	OK
7.003		S8161	30 96.147	-0.267	0.000	0.31		44.1	OK
8.000		S8151	28 96.240	-0.217	0.000	0.17		12.1	OK
7.004		S8162	30 96.067	-0.272	0.000	0.32		63.7	OK
7.005		S8152	30 95.865	-0.335	0.000	0.28		70.8	OK
9.000		S8144	28 96.295	-0.255	0.000	0.05		4.3	OK
9.001		S8145	29 96.054	-0.321	0.000	0.05		10.1	OK
7.006		S8146	30 95.742	-0.348	0.000	0.24		85.6	OK
10.000		S8165	30 95.580	-0.415	0.000	0.02		2.5	OK
10.001		S8164	30 95.524	-0.387	0.000	0.03		5.8	OK
7.007		S8147	30 95.522	-0.358	0.000	0.22		97.5	OK
7.008		S8150	31 95.233	-0.312	0.000	0.34		98.9	OK
7.009		S8149	31 95.129	-0.237	0.000	0.58		108.3	OK
11.000		S5037	28 95.196	-0.184	0.000	0.07		2.8	OK
11.001		S5038	31 95.002	-0.232	0.000	0.10		6.1	OK
11.002		S5039	32 94.961	-0.195	0.000	0.10		6.1	OK
12.000		S5040	28 95.240	-0.143	0.000	0.28		10.7	OK
7.010		S5041	31 94.954	-0.349	0.000	0.24		125.7	OK
7.011		S5042	31 94.497	-0.358	0.000	0.22		128.9	OK
7.012		S5047	40 93.739	-0.281	0.000	0.43		135.3	OK
7.013		S8167	43 93.674	-0.181	0.000	0.48		134.0	OK
7.014	S5048 - Headwall	45 93.655	-0.220	0.000	0.52			132.4	OK
1.018	S5049 - Headwall	52 93.604	-0.346	0.000	0.56			282.5	OK
1.019	S5050 Control Chamber	68 93.290	-0.160	0.000	0.09			8.1	OK

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Summary Wizard of 120 minute 1 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
1.000		S8142	38 96.782	-0.333	0.000	0.03	5.5	OK	
2.000		S8133	38 97.443	-0.267	0.000	0.03	4.3	OK	
1.001		S8134	38 96.186	-0.364	0.000	0.08	14.9	OK	
1.002		S8141	38 96.010	-0.435	0.000	0.07	20.9	OK	
1.003		S8139	38 95.812	-0.443	0.000	0.06	22.1	OK	
1.004		S8140	38 95.424	-0.421	0.000	0.09	30.5	OK	
1.005		S4008	38 95.270	-0.356	0.000	0.22	36.1	OK	
1.006		S4011	38 95.169	-0.420	0.000	0.08	36.9	OK	
1.007		S4012	38 94.693	-0.392	0.000	0.14	44.0	OK	
3.000		S8157	38 95.959	-0.346	0.000	0.02	4.0	OK	
3.001		S8159	38 95.090	-0.390	0.000	0.04	9.3	OK	
3.002		S8154	38 94.899	-0.441	0.000	0.06	17.6	OK	
3.003		S8155	38 94.719	-0.446	0.000	0.05	23.4	OK	
1.008		S5015	38 94.505	-0.340	0.000	0.26	73.2	OK	
1.009		S5016	38 94.341	-0.364	0.000	0.20	72.5	OK	
1.010	S5017 - PH4 Connection	39 94.231	-0.244	0.000	0.38	79.2	OK		
4.000		S5018	38 95.130	-0.274	0.000	0.02	3.8	OK	
1.011		S5019	39 94.189	-0.216	0.000	0.53	84.4	OK	
1.012	S5020 PH5 Connection	39 94.150	-0.215	0.000	0.66	87.3	OK		
1.013		S5021	44 93.885	-0.445	0.000	0.15	91.4	OK	

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Summary Wizard of 180 minute 1 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142 44	96.779	-0.336	0.000	0.02		4.4	OK
2.000		S8133 44	97.441	-0.269	0.000	0.02		3.4	OK
1.001		S8134 44	96.175	-0.375	0.000	0.06		11.8	OK
1.002		S8141 44	95.999	-0.446	0.000	0.05		16.5	OK
1.003		S8139 44	95.802	-0.453	0.000	0.05		17.5	OK
1.004		S8140 44	95.410	-0.435	0.000	0.07		24.2	OK
1.005		S4008 44	95.250	-0.376	0.000	0.18		28.8	OK
1.006		S4011 45	95.154	-0.435	0.000	0.07		29.9	OK
1.007		S4012 45	94.677	-0.408	0.000	0.11		35.9	OK
3.000		S8157 44	95.953	-0.352	0.000	0.01		3.2	OK
3.001		S8159 44	95.084	-0.396	0.000	0.03		7.3	OK
3.002		S8154 44	94.889	-0.451	0.000	0.05		13.9	OK
3.003		S8155 44	94.710	-0.455	0.000	0.04		18.3	OK
1.008		S5015 45	94.483	-0.362	0.000	0.21		59.4	OK
1.009		S5016 45	94.320	-0.385	0.000	0.16		59.4	OK
1.010	S5017 - PH4 Connection	45	94.192	-0.283	0.000	0.31		64.1	OK
4.000		S5018 44	95.125	-0.279	0.000	0.01		3.0	OK
1.011		S5019 45	94.149	-0.256	0.000	0.42		67.2	OK
1.012	S5020 PH5 Connection	47	94.111	-0.254	0.000	0.52		69.5	OK
1.013		S5021 48	93.869	-0.461	0.000	0.12		73.1	OK

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Summary Wizard of 180 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
			Level (m)	Depth (m)	Volume (m³)				
5.000		S5023	45 94.122	-0.398	0.000	0.03		8.3	OK
5.001		S5025	47 93.781	-0.379	0.000	0.06		13.2	OK
6.000		S5026	44 94.326	-0.266	0.000	0.03		3.2	OK
6.001		S5027	47 93.820	-0.315	0.000	0.06		8.0	OK
5.002		S5028	53 93.670	-0.346	0.000	0.13		22.8	OK
1.014		S5029	54 93.654	-0.316	0.000	0.37		96.8	OK
1.015		S5030	56 93.613	-0.314	0.000	0.39		97.2	OK
1.016		S8121	57 93.572	-0.315	0.000	0.43		99.9	OK
1.017	S5036 - Headwall	57 93.556	-0.769	0.000	0.11			104.0	OK
7.000		S8135	44 96.255	-0.360	0.000	0.06		8.6	OK
7.001		S8136	44 96.208	-0.335	0.000	0.11		15.5	OK
7.002		S8137	45 96.156	-0.318	0.000	0.16		22.3	OK
7.003		S8161	45 96.097	-0.317	0.000	0.17		24.5	OK
8.000		S8151	44 96.217	-0.240	0.000	0.09		6.5	OK
7.004		S8162	45 96.018	-0.321	0.000	0.18		35.7	OK
7.005		S8152	45 95.813	-0.387	0.000	0.16		39.7	OK
9.000		S8144	44 96.283	-0.267	0.000	0.03		2.3	OK
9.001		S8145	44 96.041	-0.334	0.000	0.03		5.5	OK
7.006		S8146	45 95.693	-0.397	0.000	0.14		48.2	OK
10.000		S8165	44 95.563	-0.432	0.000	0.01		1.4	OK
10.001		S8164	45 95.479	-0.432	0.000	0.02		3.3	OK
7.007		S8147	45 95.477	-0.403	0.000	0.12		54.9	OK
7.008		S8150	45 95.175	-0.370	0.000	0.19		55.5	OK
7.009		S8149	45 95.048	-0.317	0.000	0.33		61.3	OK
11.000		S5037	44 95.184	-0.196	0.000	0.04		1.5	OK
11.001		S5038	45 94.979	-0.254	0.000	0.05		3.3	OK
11.002		S5039	45 94.923	-0.233	0.000	0.06		3.4	OK
12.000		S5040	44 95.215	-0.167	0.000	0.15		5.7	OK
7.010		S5041	45 94.909	-0.394	0.000	0.14		71.5	OK
7.011		S5042	45 94.454	-0.401	0.000	0.13		73.8	OK
7.012		S5047	51 93.674	-0.346	0.000	0.25		78.0	OK
7.013		S8167	57 93.565	-0.290	0.000	0.28		78.0	OK
7.014	S5048 - Headwall	57 93.554	-0.321	0.000	0.30			77.6	OK
1.018	S5049 - Headwall	57 93.508	-0.442	0.000	0.36			179.4	OK
1.019	S5050 Control Chamber	65 93.329	-0.121	0.000	0.11			9.9	OK

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Summary Wizard of 240 minute 1 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

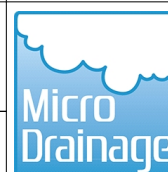
Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
1.000		S8142	48 96.774	-0.341	0.000	0.02	3.6	OK	
2.000		S8133	48 97.436	-0.274	0.000	0.02	2.8	OK	
1.001		S8134	48 96.167	-0.383	0.000	0.05	9.8	OK	
1.002		S8141	48 95.991	-0.454	0.000	0.04	13.7	OK	
1.003		S8139	48 95.796	-0.459	0.000	0.04	14.7	OK	
1.004		S8140	48 95.400	-0.445	0.000	0.06	20.2	OK	
1.005		S4008	48 95.236	-0.390	0.000	0.15	24.0	OK	
1.006		S4011	48 95.145	-0.444	0.000	0.06	24.6	OK	
1.007		S4012	48 94.668	-0.417	0.000	0.09	29.5	OK	
3.000		S8157	48 95.949	-0.356	0.000	0.01	2.7	OK	
3.001		S8159	48 95.080	-0.400	0.000	0.03	6.1	OK	
3.002		S8154	48 94.883	-0.457	0.000	0.04	11.6	OK	
3.003		S8155	48 94.704	-0.461	0.000	0.04	15.4	OK	
1.008		S5015	48 94.468	-0.377	0.000	0.17	49.0	OK	
1.009		S5016	48 94.308	-0.397	0.000	0.13	48.8	OK	
1.010	S5017 - PH4 Connection	50 94.167	-0.308	0.000	0.26	53.3	OK		
4.000		S5018	48 95.121	-0.283	0.000	0.01	2.5	OK	
1.011		S5019	51 94.121	-0.284	0.000	0.36	56.7	OK	
1.012	S5020 PH5 Connection	51 94.083	-0.282	0.000	0.44	58.6	OK		
1.013		S5021	51 93.857	-0.473	0.000	0.10	61.5	OK	

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
5.000		S5023	49	94.118	-0.402	0.000	0.03	6.8	OK
5.001		S5025	50	93.774	-0.386	0.000	0.05	10.9	OK
5.000		S5026	48	94.323	-0.268	0.000	0.02	2.7	OK
5.001		S5027	50	93.814	-0.321	0.000	0.05	6.7	OK
5.002		S5028	56	93.645	-0.372	0.000	0.11	19.1	OK
1.014		S5029	56	93.624	-0.346	0.000	0.31	81.9	OK
1.015		S5030	58	93.584	-0.343	0.000	0.33	81.9	OK
1.016		S8121	58	93.544	-0.343	0.000	0.37	84.2	OK
1.017	S5036 - Headwall	58	93.529	-0.796	0.000	0.09		88.6	OK
7.000		S8135	48	96.244	-0.371	0.000	0.05	7.1	OK
7.001		S8136	48	96.197	-0.346	0.000	0.09	13.0	OK
7.002		S8137	48	96.143	-0.331	0.000	0.14	18.6	OK
7.003		S8161	48	96.084	-0.330	0.000	0.14	20.1	OK
3.000		S8151	48	96.210	-0.247	0.000	0.07	5.3	OK
7.004		S8162	48	96.006	-0.333	0.000	0.15	29.5	OK
7.005		S8152	49	95.801	-0.399	0.000	0.13	32.8	OK
9.000		S8144	48	96.281	-0.269	0.000	0.02	1.9	OK
9.001		S8145	48	96.038	-0.337	0.000	0.02	4.6	OK
7.006		S8146	49	95.683	-0.407	0.000	0.11	39.9	OK
0.000		S8165	48	95.559	-0.436	0.000	0.01	1.1	OK
0.001		S8164	49	95.470	-0.441	0.000	0.02	2.8	OK
7.007		S8147	49	95.468	-0.412	0.000	0.10	45.5	OK
7.008		S8150	49	95.161	-0.384	0.000	0.16	46.0	OK
7.009		S8149	50	95.029	-0.336	0.000	0.28	51.8	OK
1.000		S5037	48	95.181	-0.199	0.000	0.03	1.2	OK
1.001		S5038	48	94.974	-0.259	0.000	0.04	2.7	OK
1.002		S5039	50	94.915	-0.240	0.000	0.05	2.9	OK
2.000		S5040	48	95.210	-0.173	0.000	0.12	4.7	OK
7.010		S5041	50	94.898	-0.405	0.000	0.12	60.4	OK
7.011		S5042	50	94.444	-0.411	0.000	0.11	62.5	OK
7.012		S5047	55	93.659	-0.361	0.000	0.21	66.1	OK
7.013		S8167	58	93.538	-0.317	0.000	0.24	66.0	OK
7.014	S5048 - Headwall	58	93.525	-0.350	0.000	0.26		65.6	OK
1.018	S5049 - Headwall	58	93.481	-0.469	0.000	0.30		152.8	OK
1.019	S5050 Control Chamber	63	93.338	-0.112	0.000	0.11		10.1	OK

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Summary Wizard of 360 minute 1 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

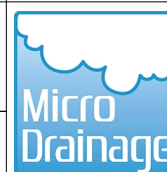
PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	55 96.766	-0.349	0.000	0.01		2.7	OK
2.000		S8133	55 97.429	-0.281	0.000	0.01		2.1	OK
1.001		S8134	55 96.158	-0.392	0.000	0.04		7.3	OK
1.002		S8141	55 95.982	-0.463	0.000	0.03		10.3	OK
1.003		S8139	55 95.788	-0.467	0.000	0.03		11.1	OK
1.004		S8140	55 95.389	-0.456	0.000	0.04		15.2	OK
1.005		S4008	55 95.217	-0.409	0.000	0.11		18.1	OK
1.006		S4011	55 95.134	-0.455	0.000	0.04		18.7	OK
1.007		S4012	55 94.652	-0.433	0.000	0.07		22.5	OK
3.000		S8157	55 95.944	-0.361	0.000	0.01		2.0	OK
3.001		S8159	55 95.075	-0.405	0.000	0.02		4.6	OK
3.002		S8154	55 94.875	-0.465	0.000	0.03		8.7	OK
3.003		S8155	55 94.697	-0.468	0.000	0.03		11.6	OK
1.008		S5015	55 94.446	-0.399	0.000	0.13		37.4	OK
1.009		S5016	55 94.292	-0.413	0.000	0.10		37.3	OK
1.010	S5017 - PH4 Connection	56 94.134	-0.341	0.000	0.20			40.4	OK
4.000		S5018	55 95.117	-0.287	0.000	0.01		1.9	OK
1.011		S5019	56 94.087	-0.318	0.000	0.27		42.8	OK
1.012	S5020 PH5 Connection	56 94.049	-0.316	0.000	0.33			43.9	OK
1.013		S5021	56 93.841	-0.489	0.000	0.08		46.1	OK

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Summary Wizard of 360 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Pipe		Status	
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)		Flow (l/s)
5.000		S5023	56	94.112	-0.408	0.000	0.02	5.1	OK
5.001		S5025	56	93.766	-0.394	0.000	0.04	8.2	OK
6.000		S5026	55	94.318	-0.274	0.000	0.02	2.0	OK
6.001		S5027	56	93.807	-0.328	0.000	0.04	5.0	OK
5.002		S5028	59	93.613	-0.403	0.000	0.08	14.5	OK
1.014		S5029	61	93.581	-0.389	0.000	0.24	62.0	OK
1.015		S5030	61	93.541	-0.386	0.000	0.25	62.7	OK
1.016		S8121	61	93.502	-0.385	0.000	0.28	65.0	OK
1.017	S5036 - Headwall	61	93.488	-0.837	0.000	0.07		68.7	OK
7.000		S8135	55	96.231	-0.384	0.000	0.04	5.3	OK
7.001		S8136	55	96.183	-0.360	0.000	0.07	9.8	OK
7.002		S8137	55	96.127	-0.347	0.000	0.10	14.1	OK
7.003		S8161	55	96.068	-0.346	0.000	0.11	15.4	OK
8.000		S8151	55	96.202	-0.255	0.000	0.05	4.0	OK
7.004		S8162	55	95.990	-0.349	0.000	0.11	22.6	OK
7.005		S8152	55	95.785	-0.415	0.000	0.10	25.2	OK
9.000		S8144	55	96.274	-0.276	0.000	0.02	1.4	OK
9.001		S8145	55	96.030	-0.345	0.000	0.02	3.4	OK
7.006		S8146	55	95.669	-0.421	0.000	0.09	30.6	OK
10.000		S8165	55	95.556	-0.439	0.000	0.01	0.8	OK
10.001		S8164	55	95.455	-0.456	0.000	0.01	2.1	OK
7.007		S8147	55	95.453	-0.427	0.000	0.08	34.9	OK
7.008		S8150	55	95.141	-0.404	0.000	0.12	35.3	OK
7.009		S8149	55	95.004	-0.362	0.000	0.21	39.4	OK
11.000		S5037	55	95.178	-0.201	0.000	0.02	0.9	OK
11.001		S5038	55	94.969	-0.265	0.000	0.03	2.0	OK
11.002		S5039	55	94.904	-0.252	0.000	0.04	2.2	OK
12.000		S5040	55	95.203	-0.179	0.000	0.09	3.5	OK
7.010		S5041	55	94.884	-0.419	0.000	0.09	46.2	OK
7.011		S5042	55	94.430	-0.425	0.000	0.08	47.5	OK
7.012		S5047	59	93.636	-0.384	0.000	0.16	50.2	OK
7.013		S8167	61	93.501	-0.355	0.000	0.18	50.0	OK
7.014	S5048 - Headwall	61	93.485	-0.390	0.000	0.20		50.0	OK
1.018	S5049 - Headwall	61	93.445	-0.505	0.000	0.23		118.0	OK
1.019	S5050 Control Chamber	62	93.348	-0.102	0.000	0.11		10.2	OK

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Summary Wizard of 480 minute 1 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	59 96.761	-0.354	0.000	0.01		2.2	OK
2.000		S8133	59 97.426	-0.284	0.000	0.01		1.7	OK
1.001		S8134	59 96.153	-0.397	0.000	0.03		5.9	OK
1.002		S8141	59 95.977	-0.468	0.000	0.03		8.4	OK
1.003		S8139	59 95.784	-0.471	0.000	0.02		9.0	OK
1.004		S8140	59 95.383	-0.462	0.000	0.03		12.4	OK
1.005		S4008	59 95.207	-0.419	0.000	0.09		14.7	OK
1.006		S4011	59 95.127	-0.462	0.000	0.03		15.2	OK
1.007		S4012	59 94.641	-0.444	0.000	0.06		18.3	OK
3.000		S8157	59 95.941	-0.364	0.000	0.01		1.6	OK
3.001		S8159	59 95.067	-0.413	0.000	0.02		3.7	OK
3.002		S8154	59 94.870	-0.470	0.000	0.02		7.0	OK
3.003		S8155	59 94.693	-0.472	0.000	0.02		9.4	OK
1.008		S5015	59 94.434	-0.411	0.000	0.11		30.4	OK
1.009		S5016	59 94.280	-0.425	0.000	0.08		30.4	OK
1.010	S5017 - PH4 Connection	59 94.113	-0.362	0.000	0.16			33.0	OK
4.000		S5018	59 95.114	-0.290	0.000	0.01		1.5	OK
1.011		S5019	59 94.064	-0.341	0.000	0.22		34.9	OK
1.012	S5020 PH5 Connection	59 94.026	-0.339	0.000	0.27			35.9	OK
1.013		S5021	59 93.828	-0.502	0.000	0.06		37.7	OK

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Drainage

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
5.000		S5023	59	94.104	-0.416	0.000	0.02	4.1	OK
5.001		S5025	59	93.761	-0.399	0.000	0.03	6.6	OK
5.000		S5026	59	94.313	-0.279	0.000	0.01	1.6	OK
5.001		S5027	59	93.803	-0.332	0.000	0.03	4.0	OK
5.002		S5028	62	93.595	-0.421	0.000	0.07	11.7	OK
1.014		S5029	62	93.551	-0.419	0.000	0.19	50.5	OK
1.015		S5030	62	93.513	-0.414	0.000	0.20	50.6	OK
1.016		S8121	62	93.476	-0.411	0.000	0.23	52.7	OK
1.017	S5036 - Headwall	62	93.463	-0.862	0.000	0.06		55.9	OK
7.000		S8135	59	96.224	-0.392	0.000	0.03	4.3	OK
7.001		S8136	59	96.172	-0.370	0.000	0.06	8.0	OK
7.002		S8137	59	96.117	-0.357	0.000	0.08	11.4	OK
7.003		S8161	59	96.058	-0.356	0.000	0.09	12.5	OK
8.000		S8151	59	96.197	-0.260	0.000	0.04	3.2	OK
7.004		S8162	59	95.981	-0.358	0.000	0.09	18.4	OK
7.005		S8152	59	95.774	-0.426	0.000	0.08	20.5	OK
9.000		S8144	59	96.270	-0.280	0.000	0.01	1.1	OK
9.001		S8145	59	96.024	-0.351	0.000	0.01	2.8	OK
7.006		S8146	59	95.656	-0.434	0.000	0.07	24.9	OK
0.000		S8165	59	95.554	-0.441	0.000	0.00	0.7	OK
0.001		S8164	59	95.445	-0.466	0.000	0.01	1.7	OK
7.007		S8147	59	95.441	-0.439	0.000	0.06	28.4	OK
7.008		S8150	59	95.130	-0.415	0.000	0.10	28.8	OK
7.009		S8149	59	94.986	-0.380	0.000	0.17	32.1	OK
1.000		S5037	59	95.176	-0.204	0.000	0.02	0.7	OK
1.001		S5038	59	94.966	-0.267	0.000	0.03	1.7	OK
1.002		S5039	59	94.896	-0.259	0.000	0.03	1.8	OK
2.000		S5040	59	95.198	-0.185	0.000	0.07	2.8	OK
7.010		S5041	59	94.871	-0.432	0.000	0.07	37.6	OK
7.011		S5042	59	94.418	-0.437	0.000	0.07	38.7	OK
7.012		S5047	61	93.621	-0.399	0.000	0.13	40.8	OK
7.013		S8167	62	93.477	-0.378	0.000	0.15	40.6	OK
7.014	S5048 - Headwall	62	93.459	-0.416	0.000	0.16		40.5	OK
1.018	S5049 - Headwall	62	93.420	-0.530	0.000	0.19		96.4	OK
1.019	S5050 Control Chamber	60	93.354	-0.096	0.000	0.11		10.3	OK

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Summary Wizard of 600 minute 1 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	63 96.757	-0.358	0.000	0.01		1.8	OK
2.000		S8133	63 97.423	-0.287	0.000	0.01		1.4	OK
1.001		S8134	63 96.149	-0.401	0.000	0.03		5.0	OK
1.002		S8141	63 95.974	-0.471	0.000	0.02		7.1	OK
1.003		S8139	63 95.779	-0.476	0.000	0.02		7.6	OK
1.004		S8140	63 95.379	-0.466	0.000	0.03		10.5	OK
1.005		S4008	63 95.197	-0.429	0.000	0.08		12.5	OK
1.006		S4011	63 95.123	-0.466	0.000	0.03		12.9	OK
1.007		S4012	63 94.634	-0.451	0.000	0.05		15.5	OK
3.000		S8157	63 95.940	-0.365	0.000	0.01		1.4	OK
3.001		S8159	63 95.062	-0.418	0.000	0.01		3.1	OK
3.002		S8154	63 94.867	-0.473	0.000	0.02		6.0	OK
3.003		S8155	63 94.686	-0.479	0.000	0.02		8.0	OK
1.008		S5015	63 94.426	-0.419	0.000	0.09		25.8	OK
1.009		S5016	63 94.271	-0.434	0.000	0.07		25.8	OK
1.010	S5017 - PH4 Connection	63 94.098	-0.377	0.000	0.14			28.0	OK
4.000		S5018	63 95.113	-0.291	0.000	0.01		1.3	OK
1.011		S5019	63 94.049	-0.356	0.000	0.19		29.7	OK
1.012	S5020 PH5 Connection	63 94.010	-0.355	0.000	0.23			30.5	OK
1.013		S5021	63 93.819	-0.511	0.000	0.05		32.0	OK

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
5.000		S5023	63	94.099	-0.421	0.000	0.01	3.5	OK
5.001		S5025	63	93.758	-0.402	0.000	0.03	5.6	OK
5.000		S5026	63	94.310	-0.282	0.000	0.01	1.4	OK
5.001		S5027	63	93.800	-0.335	0.000	0.03	3.4	OK
5.002		S5028	64	93.581	-0.435	0.000	0.06	10.0	OK
1.014		S5029	64	93.530	-0.440	0.000	0.16	43.2	OK
1.015		S5030	64	93.493	-0.434	0.000	0.17	43.2	OK
1.016		S8121	64	93.457	-0.430	0.000	0.19	44.7	OK
1.017	S5036 - Headwall	64	93.444	-0.881	0.000	0.05		47.6	OK
7.000		S8135	63	96.219	-0.396	0.000	0.03	3.6	OK
7.001		S8136	63	96.165	-0.378	0.000	0.05	6.8	OK
7.002		S8137	63	96.109	-0.365	0.000	0.07	9.7	OK
7.003		S8161	63	96.050	-0.363	0.000	0.08	10.6	OK
8.000		S8151	63	96.194	-0.263	0.000	0.04	2.7	OK
7.004		S8162	63	95.973	-0.366	0.000	0.08	15.6	OK
7.005		S8152	63	95.764	-0.436	0.000	0.07	17.4	OK
9.000		S8144	63	96.267	-0.283	0.000	0.01	1.0	OK
9.001		S8145	63	96.020	-0.355	0.000	0.01	2.3	OK
7.006		S8146	63	95.648	-0.442	0.000	0.06	21.1	OK
0.000		S8165	63	95.552	-0.443	0.000	0.00	0.6	OK
0.001		S8164	63	95.439	-0.473	0.000	0.01	1.4	OK
7.007		S8147	63	95.433	-0.447	0.000	0.05	24.1	OK
7.008		S8150	63	95.121	-0.424	0.000	0.08	24.4	OK
7.009		S8149	63	94.973	-0.392	0.000	0.15	27.3	OK
1.000		S5037	63	95.173	-0.207	0.000	0.02	0.6	OK
1.001		S5038	63	94.964	-0.269	0.000	0.02	1.4	OK
1.002		S5039	63	94.892	-0.264	0.000	0.02	1.5	OK
2.000		S5040	63	95.194	-0.189	0.000	0.06	2.4	OK
7.010		S5041	63	94.863	-0.440	0.000	0.06	31.9	OK
7.011		S5042	63	94.410	-0.445	0.000	0.06	32.8	OK
7.012		S5047	64	93.612	-0.408	0.000	0.11	34.7	OK
7.013		S8167	64	93.460	-0.395	0.000	0.12	34.5	OK
7.014	S5048 - Headwall	64	93.439	-0.436	0.000	0.13		34.3	OK
1.018	S5049 - Headwall	64	93.401	-0.549	0.000	0.16		82.2	OK
1.019	S5050 Control Chamber	59	93.358	-0.092	0.000	0.11		10.4	OK

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Summary Wizard of 720 minute 1 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

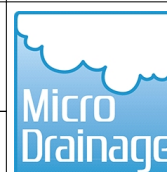
PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
1.000		S8142	65 96.755	-0.360	0.000	0.01	1.6	OK	
2.000		S8133	65 97.422	-0.288	0.000	0.01	1.3	OK	
1.001		S8134	65 96.147	-0.403	0.000	0.02	4.4	OK	
1.002		S8141	65 95.970	-0.475	0.000	0.02	6.2	OK	
1.003		S8139	65 95.773	-0.482	0.000	0.02	6.6	OK	
1.004		S8140	65 95.376	-0.469	0.000	0.03	9.2	OK	
1.005		S4008	65 95.189	-0.437	0.000	0.07	10.9	OK	
1.006		S4011	65 95.120	-0.469	0.000	0.03	11.3	OK	
1.007		S4012	65 94.629	-0.456	0.000	0.04	13.6	OK	
3.000		S8157	65 95.938	-0.367	0.000	0.00	1.2	OK	
3.001		S8159	65 95.058	-0.422	0.000	0.01	2.7	OK	
3.002		S8154	65 94.860	-0.480	0.000	0.02	5.2	OK	
3.003		S8155	65 94.680	-0.485	0.000	0.02	7.0	OK	
1.008		S5015	65 94.418	-0.427	0.000	0.08	22.5	OK	
1.009		S5016	65 94.264	-0.441	0.000	0.06	22.5	OK	
1.010	S5017 - PH4 Connection	65 94.087	-0.388	0.000	0.12	24.5	OK		
4.000		S5018	65 95.112	-0.292	0.000	0.01	1.1	OK	
1.011		S5019	65 94.038	-0.367	0.000	0.16	26.0	OK	
1.012	S5020 PH5 Connection	65 93.999	-0.366	0.000	0.20	26.7	OK		
1.013		S5021	65 93.813	-0.517	0.000	0.05	28.0	OK	

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Summary Wizard of 720 minute 1 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Overflow		Pipe Flow (l/s)	Status
						Flow Cap.	(l/s)		
5.000		S5023	65	94.095	-0.425	0.000	0.01	3.0	OK
5.001		S5025	65	93.756	-0.404	0.000	0.02	4.9	OK
6.000		S5026	65	94.308	-0.284	0.000	0.01	1.2	OK
6.001		S5027	65	93.798	-0.337	0.000	0.02	3.0	OK
5.002		S5028	66	93.572	-0.445	0.000	0.05	8.7	OK
1.014		S5029	66	93.515	-0.455	0.000	0.14	37.9	OK
1.015		S5030	66	93.478	-0.449	0.000	0.15	37.9	OK
1.016		S8121	66	93.443	-0.444	0.000	0.17	39.1	OK
1.017	S5036 - Headwall	66	93.431	-0.894	0.000	0.04		41.6	OK
7.000		S8135	65	96.216	-0.400	0.000	0.02	3.2	OK
7.001		S8136	65	96.159	-0.384	0.000	0.04	5.9	OK
7.002		S8137	65	96.102	-0.371	0.000	0.06	8.5	OK
7.003		S8161	65	96.044	-0.370	0.000	0.07	9.3	OK
8.000		S8151	65	96.192	-0.265	0.000	0.03	2.4	OK
7.004		S8162	65	95.966	-0.373	0.000	0.07	13.6	OK
7.005		S8152	65	95.757	-0.443	0.000	0.06	15.2	OK
9.000		S8144	65	96.265	-0.285	0.000	0.01	0.8	OK
9.001		S8145	65	96.018	-0.357	0.000	0.01	2.1	OK
7.006		S8146	65	95.642	-0.448	0.000	0.05	18.4	OK
10.000		S8165	65	95.551	-0.444	0.000	0.00	0.5	OK
10.001		S8164	65	95.433	-0.478	0.000	0.01	1.3	OK
7.007		S8147	65	95.428	-0.452	0.000	0.05	21.1	OK
7.008		S8150	65	95.113	-0.432	0.000	0.07	21.3	OK
7.009		S8149	65	94.964	-0.401	0.000	0.13	23.9	OK
11.000		S5037	65	95.170	-0.209	0.000	0.01	0.5	OK
11.001		S5038	65	94.962	-0.272	0.000	0.02	1.2	OK
11.002		S5039	65	94.889	-0.266	0.000	0.02	1.3	OK
12.000		S5040	65	95.191	-0.191	0.000	0.05	2.1	OK
7.010		S5041	65	94.857	-0.446	0.000	0.05	27.9	OK
7.011		S5042	65	94.404	-0.451	0.000	0.05	28.8	OK
7.012		S5047	66	93.605	-0.415	0.000	0.10	30.4	OK
7.013		S8167	66	93.448	-0.407	0.000	0.11	30.3	OK
7.014	S5048 - Headwall	66	93.424	-0.451	0.000	0.12		30.0	OK
1.018	S5049 - Headwall	68	93.388	-0.562	0.000	0.14		71.9	OK
1.019	S5050 Control Chamber	57	93.361	-0.089	0.000	0.11		10.4	OK

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Summary Wizard of 960 minute 1 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
1.000		S8142	68 96.752	-0.363	0.000	0.01	1.3	OK	
2.000		S8133	68 97.419	-0.291	0.000	0.01	1.0	OK	
1.001		S8134	68 96.141	-0.409	0.000	0.02	3.5	OK	
1.002		S8141	68 95.961	-0.484	0.000	0.02	5.0	OK	
1.003		S8139	68 95.765	-0.490	0.000	0.01	5.4	OK	
1.004		S8140	68 95.371	-0.474	0.000	0.02	7.4	OK	
1.005		S4008	68 95.179	-0.447	0.000	0.05	8.8	OK	
1.006		S4011	68 95.116	-0.473	0.000	0.02	9.1	OK	
1.007		S4012	68 94.623	-0.462	0.000	0.03	11.0	OK	
3.000		S8157	68 95.937	-0.368	0.000	0.00	1.0	OK	
3.001		S8159	68 95.052	-0.428	0.000	0.01	2.2	OK	
3.002		S8154	68 94.851	-0.489	0.000	0.01	4.2	OK	
3.003		S8155	68 94.672	-0.493	0.000	0.01	5.6	OK	
1.008		S5015	68 94.406	-0.439	0.000	0.06	18.2	OK	
1.009		S5016	68 94.255	-0.450	0.000	0.05	18.2	OK	
1.010	S5017 - PH4 Connection	68 94.072	-0.403	0.000	0.10	19.8	OK		
4.000		S5018	68 95.110	-0.294	0.000	0.00	0.9	OK	
1.011		S5019	68 94.020	-0.385	0.000	0.13	21.0	OK	
1.012	S5020 PH5 Connection	68 93.981	-0.384	0.000	0.16	21.6	OK		
1.013		S5021	68 93.805	-0.525	0.000	0.04	22.7	OK	

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
5.000		S5023	68	94.090	-0.430	0.000	0.01	2.5	OK
5.001		S5025	68	93.748	-0.412	0.000	0.02	4.0	OK
5.000		S5026	68	94.305	-0.287	0.000	0.01	1.0	OK
5.001		S5027	68	93.793	-0.342	0.000	0.02	2.4	OK
5.002		S5028	68	93.560	-0.456	0.000	0.04	7.1	OK
1.014		S5029	68	93.493	-0.477	0.000	0.12	30.7	OK
1.015		S5030	68	93.456	-0.471	0.000	0.12	30.8	OK
1.016		S8121	68	93.421	-0.466	0.000	0.14	31.8	OK
1.017	S5036 - Headwall	68	93.409	-0.916	0.000	0.03		33.6	OK
7.000		S8135	68	96.211	-0.404	0.000	0.02	2.6	OK
7.001		S8136	68	96.152	-0.391	0.000	0.03	4.8	OK
7.002		S8137	68	96.093	-0.381	0.000	0.05	6.9	OK
7.003		S8161	68	96.034	-0.380	0.000	0.05	7.5	OK
8.000		S8151	68	96.189	-0.268	0.000	0.03	1.9	OK
7.004		S8162	68	95.957	-0.382	0.000	0.06	11.0	OK
7.005		S8152	68	95.749	-0.451	0.000	0.05	12.3	OK
9.000		S8144	68	96.262	-0.288	0.000	0.01	0.7	OK
9.001		S8145	68	96.014	-0.361	0.000	0.01	1.7	OK
7.006		S8146	68	95.634	-0.456	0.000	0.04	14.9	OK
0.000		S8165	68	95.550	-0.445	0.000	0.00	0.4	OK
0.001		S8164	68	95.426	-0.486	0.000	0.01	1.0	OK
7.007		S8147	68	95.421	-0.459	0.000	0.04	17.0	OK
7.008		S8150	68	95.102	-0.443	0.000	0.06	17.2	OK
7.009		S8149	68	94.952	-0.413	0.000	0.10	19.3	OK
1.000		S5037	68	95.167	-0.212	0.000	0.01	0.4	OK
1.001		S5038	68	94.956	-0.277	0.000	0.02	1.0	OK
1.002		S5039	68	94.886	-0.270	0.000	0.02	1.1	OK
2.000		S5040	68	95.188	-0.195	0.000	0.04	1.7	OK
7.010		S5041	68	94.848	-0.455	0.000	0.04	22.6	OK
7.011		S5042	68	94.397	-0.458	0.000	0.04	23.3	OK
7.012		S5047	68	93.593	-0.427	0.000	0.08	24.6	OK
7.013		S8167	68	93.436	-0.420	0.000	0.09	24.6	OK
7.014	S5048 - Headwall	68	93.404	-0.471	0.000	0.10		24.4	OK
1.018	S5049 - Headwall	71	93.370	-0.580	0.000	0.12		58.0	OK
1.019	S5050 Control Chamber	55	93.364	-0.086	0.000	0.11		10.5	OK

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Summary Wizard of 1440 minute 1 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142 71	96.749	-0.366	0.000	0.01		1.0	OK
2.000		S8133 71	97.417	-0.293	0.000	0.00		0.8	OK
1.001		S8134 71	96.131	-0.419	0.000	0.01		2.6	OK
1.002		S8141 71	95.950	-0.495	0.000	0.01		3.7	OK
1.003		S8139 71	95.756	-0.499	0.000	0.01		4.0	OK
1.004		S8140 71	95.358	-0.487	0.000	0.02		5.5	OK
1.005		S4008 71	95.168	-0.458	0.000	0.04		6.5	OK
1.006		S4011 71	95.103	-0.486	0.000	0.02		6.8	OK
1.007		S4012 71	94.616	-0.469	0.000	0.03		8.1	OK
3.000		S8157 71	95.935	-0.370	0.000	0.00		0.7	OK
3.001		S8159 71	95.047	-0.433	0.000	0.01		1.6	OK
3.002		S8154 71	94.842	-0.498	0.000	0.01		3.1	OK
3.003		S8155 71	94.664	-0.501	0.000	0.01		4.2	OK
1.008		S5015 71	94.393	-0.452	0.000	0.05		13.5	OK
1.009		S5016 71	94.245	-0.460	0.000	0.04		13.5	OK
1.010	S5017 - PH4 Connection	71 94.055	-0.420	0.000	0.07			14.7	OK
4.000		S5018 71	95.109	-0.295	0.000	0.00		0.7	OK
1.011		S5019 70	93.999	-0.406	0.000	0.10		15.6	OK
1.012	S5020 PH5 Connection	70 93.961	-0.404	0.000	0.12			16.1	OK
1.013		S5021 70	93.796	-0.534	0.000	0.03		16.9	OK

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PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe	Status
								Flow (l/s)	
5.000	S5036 - Headwall	S5023	71	94.085	-0.435	0.000	0.01	1.8	OK
5.001		S5025	71	93.738	-0.422	0.000	0.01	2.9	OK
6.000		S5026	71	94.301	-0.291	0.000	0.01	0.7	OK
6.001		S5027	71	93.784	-0.351	0.000	0.01	1.8	OK
5.002		S5028	71	93.551	-0.465	0.000	0.03	5.2	OK
1.014		S5029	70	93.463	-0.507	0.000	0.09	22.8	OK
1.015		S5030	70	93.427	-0.501	0.000	0.09	23.0	OK
1.016		S8121	70	93.393	-0.494	0.000	0.10	23.8	OK
1.017		S8135	72	93.383	-0.942	0.000	0.03	25.0	OK
7.000		S8136	71	96.202	-0.413	0.000	0.01	1.9	OK
7.001		S8137	71	96.144	-0.399	0.000	0.03	3.5	OK
7.002		S8161	71	96.083	-0.391	0.000	0.04	5.1	OK
7.003		S8151	71	96.024	-0.390	0.000	0.04	5.6	OK
8.000		S8151	71	96.185	-0.272	0.000	0.02	1.4	OK
7.004		S8162	71	95.948	-0.392	0.000	0.04	8.2	OK
7.005		S8152	71	95.739	-0.461	0.000	0.04	9.1	OK
9.000		S8144	71	96.259	-0.291	0.000	0.01	0.5	OK
9.001		S8145	71	96.011	-0.364	0.000	0.01	1.2	OK
7.006		S8146	71	95.626	-0.464	0.000	0.03	11.1	OK
0.000		S8165	71	95.549	-0.446	0.000	0.00	0.3	OK
0.001		S8164	71	95.417	-0.494	0.000	0.00	0.8	OK
7.007		S8147	71	95.413	-0.467	0.000	0.03	12.6	OK
7.008		S8150	71	95.090	-0.455	0.000	0.04	12.8	OK
7.009		S8149	71	94.936	-0.429	0.000	0.08	14.3	OK
1.000		S5037	71	95.164	-0.216	0.000	0.01	0.3	OK
1.001	S5038	71	94.950	-0.283	0.000	0.01	0.7	OK	
1.002	S5039	71	94.878	-0.277	0.000	0.01	0.8	OK	
2.000	S5040	71	95.184	-0.199	0.000	0.03	1.3	OK	
7.010	S5041	71	94.839	-0.464	0.000	0.03	16.8	OK	
7.011	S5042	71	94.389	-0.466	0.000	0.03	17.3	OK	
7.012	S5047	70	93.577	-0.443	0.000	0.06	18.3	OK	
7.013	S8167	70	93.418	-0.437	0.000	0.07	18.3	OK	
7.014	S5048 - Headwall	72	93.379	-0.496	0.000	0.07	18.2	OK	
1.018	S5049 - Headwall	72	93.365	-0.585	0.000	0.09	42.9	OK	
1.019	S5050 Control Chamber	54	93.364	-0.086	0.000	0.11	10.5	OK	

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Summary Wizard of 15 minute 30 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)
1.000	S8142	7	96.843	-0.272	0.000	0.16		30.8
2.000	S8133	7	97.489	-0.221	0.000	0.15		23.9
1.001	S8134	8	96.321	-0.229	0.000	0.47		86.0
1.002	S8141	8	96.155	-0.290	0.000	0.40		122.0
1.003	S8139	8	95.943	-0.312	0.000	0.34		130.9
1.004	S8140	7	95.672	-0.173	0.000	0.49		176.9
1.005	S4008	7	95.626	0.000	0.000	1.24		201.3
1.006	S4011	9	95.324	-0.265	0.000	0.46		202.2
1.007	S4012	9	95.221	0.136	0.000	0.64		203.9
3.000	S8157	8	96.007	-0.298	0.000	0.09		22.9
3.001	S8159	9	95.188	-0.292	0.000	0.27		56.0
3.002	S8154	9	95.154	-0.186	0.000	0.37		107.5
3.003	S8155	9	95.136	-0.029	0.000	0.28		121.6
1.008	S5015	9	95.121	0.276	0.000	1.03		291.4
1.009	S5016	10	94.972	0.267	0.000	0.79		291.9
1.010	S5017 - PH4 Connection	11	94.828	0.353	0.000	1.48		305.2
4.000	S5018	8	95.169	-0.235	0.000	0.11		21.5
1.011	S5019	11	94.665	0.260	0.000	2.02		320.5
1.012	S5020 PH5 Connection	13	94.486	0.121	0.000	2.44		325.4
1.013	S5021	13	94.307	-0.023	0.000	0.55		329.7

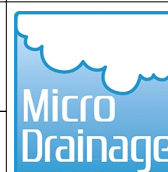
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Summary Wizard of 15 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.000	S8142	OK
2.000	S8133	OK
1.001	S8134	OK
1.002	S8141	OK
1.003	S8139	OK
1.004	S8140	OK
1.005	S4008	OK
1.006	S4011	OK
1.007	S4012	SURCHARGED
3.000	S8157	OK
3.001	S8159	OK
3.002	S8154	OK
3.003	S8155	OK
1.008	S5015	SURCHARGED
1.009	S5016	SURCHARGED
1.010	S5017 - PH4 Connection	SURCHARGED
4.000	S5018	OK
1.011	S5019	SURCHARGED
1.012	S5020 PH5 Connection	SURCHARGED
1.013	S5021	OK

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PN	US/MH Name	Storm Rank	Water		Surcharged	Flooded	Flow / Cap.	Overflow (1/s)	Pipe
			Level (m)	Depth (m)	Volume (m³)	Flow (1/s)			
5.000		S5023	13	94.264	-0.256	0.000	0.22		57.7
5.001		S5025	13	94.259	0.099	0.000	0.36		80.8
6.000		S5026	11	94.386	-0.206	0.000	0.21		22.7
6.001		S5027	13	94.258	0.123	0.000	0.42		54.3
5.002		S5028	13	94.253	0.237	0.000	0.77		132.1
1.014		S5029	13	94.247	0.277	0.000	1.66		438.0
1.015		S5030	13	94.192	0.265	0.000	1.72		431.5
1.016		S8121	13	94.136	0.249	0.000	1.89		434.1
1.017	S5036 - Headwall	15	94.101	-0.224	0.000	0.42			405.1
7.000		S8135	8	96.586	-0.029	0.000	0.41		57.9
7.001		S8136	8	96.561	0.018	0.000	0.75		103.3
7.002		S8137	8	96.518	0.044	0.000	1.06		144.0
7.003		S8161	8	96.449	0.036	0.000	1.08		151.9
8.000		S8151	8	96.404	-0.053	0.000	0.62		45.6
7.004		S8162	8	96.358	0.019	0.000	1.10		218.0
7.005		S8152	8	96.072	-0.128	0.000	0.93		235.4
9.000		S8144	8	96.341	-0.209	0.000	0.20		16.1
9.001		S8145	8	96.116	-0.259	0.000	0.21		42.2
7.006		S8146	8	95.957	-0.133	0.000	0.80		282.4
10.000		S8165	9	95.835	-0.160	0.000	0.05		8.1
10.001		S8164	9	95.833	-0.079	0.000	0.13		22.9
7.007		S8147	9	95.830	-0.050	0.000	0.68		303.7
7.008		S8150	9	95.673	0.128	0.000	1.05		306.5
7.009		S8149	9	95.476	0.111	0.000	1.74		326.4
11.000		S5037	9	95.237	-0.143	0.000	0.28		10.4
11.001		S5038	10	95.156	-0.078	0.000	0.37		22.9
11.002		S5039	10	95.138	-0.017	0.000	0.32		19.6
12.000		S5040	9	95.423	0.040	0.000	1.00		38.6
7.010		S5041	10	95.121	-0.182	0.000	0.75		384.4
7.011		S5042	12	94.861	0.006	0.000	0.66		387.8
7.012		S5047	12	94.537	0.517	0.000	1.26		391.4
7.013		S8167	13	94.341	0.485	0.000	1.40		388.4
7.014	S5048 - Headwall	13	94.163	0.288	0.000	1.46			371.3
1.018	S5049 - Headwall	17	94.075	0.125	0.000	1.43			720.8
1.019	S5050 Control Chamber	58	93.360	-0.090	0.000	0.11			10.0

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	SURCHARGED
6.000	S5026	OK
6.001	S5027	SURCHARGED
5.002	S5028	SURCHARGED
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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<u>Summary Wizard of 15 minute 30 year Summer I+0% for Surface Network 5</u>		

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Summary Wizard of 30 minute 30 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)
1.000	S8142	9	96.836	-0.279	0.000	0.15		27.9
2.000	S8133	9	97.485	-0.225	0.000	0.14		21.7
1.001	S8134	9	96.304	-0.246	0.000	0.42		76.7
1.002	S8141	9	96.138	-0.307	0.000	0.36		109.2
1.003	S8139	9	95.927	-0.328	0.000	0.30		114.6
1.004	S8140	9	95.662	-0.183	0.000	0.40		144.1
1.005	S4008	8	95.626	0.000	0.000	1.02		166.0
1.006	S4011	10	95.295	-0.294	0.000	0.39		171.7
1.007	S4012	11	95.146	0.061	0.000	0.60		188.6
3.000	S8157	9	96.002	-0.303	0.000	0.08		20.7
3.001	S8159	10	95.177	-0.303	0.000	0.23		48.4
3.002	S8154	11	95.097	-0.243	0.000	0.32		92.3
3.003	S8155	11	95.079	-0.086	0.000	0.27		115.4
1.008	S5015	11	95.062	0.217	0.000	0.98		278.5
1.009	S5016	11	94.927	0.222	0.000	0.76		278.9
1.010	S5017 - PH4 Connection	12	94.795	0.320	0.000	1.43		295.0
4.000	S5018	9	95.166	-0.238	0.000	0.09		19.3
1.011	S5019	12	94.644	0.239	0.000	1.96		310.8
1.012	S5020 PH5 Connection	12	94.495	0.130	0.000	2.38		317.8
1.013	S5021	12	94.350	0.020	0.000	0.53		320.2

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Summary Wizard of 30 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.000	S8142	OK
2.000	S8133	OK
1.001	S8134	OK
1.002	S8141	OK
1.003	S8139	OK
1.004	S8140	OK
1.005	S4008	OK
1.006	S4011	OK
1.007	S4012	SURCHARGED
3.000	S8157	OK
3.001	S8159	OK
3.002	S8154	OK
3.003	S8155	OK
1.008	S5015	SURCHARGED
1.009	S5016	SURCHARGED
1.010	S5017 - PH4 Connection	SURCHARGED
4.000	S5018	OK
1.011	S5019	SURCHARGED
1.012	S5020 PH5 Connection	SURCHARGED
1.013	S5021	SURCHARGED

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Summary Wizard of 30 minute 30 year Summer I+0% for Surface Network 5								
PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
5.000	S5023	12	94.313	-0.207	0.000	0.20		52.6
5.001	S5025	12	94.305	0.145	0.000	0.31		67.8
6.000	S5026	12	94.381	-0.211	0.000	0.19		20.7
6.001	S5027	12	94.305	0.170	0.000	0.35		46.2
5.002	S5028	12	94.297	0.280	0.000	0.70		118.7
1.014	S5029	12	94.286	0.316	0.000	1.63		429.7
1.015	S5030	12	94.222	0.295	0.000	1.69		422.0
1.016	S8121	12	94.158	0.271	0.000	1.87		429.1
1.017	S5036 - Headwall	13	94.118	-0.207	0.000	0.43		414.9
7.000	S8135	9	96.511	-0.104	0.000	0.38		53.2
7.001	S8136	9	96.490	-0.053	0.000	0.68		94.3
7.002	S8137	9	96.453	-0.021	0.000	0.96		130.2
7.003	S8161	9	96.389	-0.025	0.000	0.98		137.7
8.000	S8151	9	96.340	-0.117	0.000	0.56		41.2
7.004	S8162	9	96.301	-0.038	0.000	1.00		197.4
7.005	S8152	9	96.057	-0.143	0.000	0.87		221.2
9.000	S8144	9	96.335	-0.215	0.000	0.18		14.6
9.001	S8145	9	96.107	-0.268	0.000	0.18		36.4
7.006	S8146	10	95.918	-0.172	0.000	0.78		273.4
10.000	S8165	10	95.803	-0.192	0.000	0.05		7.8
10.001	S8164	10	95.800	-0.111	0.000	0.13		22.9
7.007	S8147	10	95.798	-0.082	0.000	0.66		293.7
7.008	S8150	10	95.651	0.106	0.000	1.01		294.9
7.009	S8149	10	95.465	0.100	0.000	1.70		318.8
11.000	S5037	10	95.232	-0.148	0.000	0.26		9.4
11.001	S5038	11	95.148	-0.086	0.000	0.32		19.9
11.002	S5039	11	95.130	-0.026	0.000	0.30		18.5
12.000	S5040	10	95.361	-0.022	0.000	0.91		35.0
7.010	S5041	11	95.112	-0.191	0.000	0.73		374.7
7.011	S5042	10	94.879	0.024	0.000	0.64		375.9
7.012	S5047	11	94.587	0.567	0.000	1.23		381.3
7.013	S8167	11	94.385	0.529	0.000	1.37		380.1
7.014	S5048 - Headwall	11	94.184	0.309	0.000	1.44		365.6
1.018	S5049 - Headwall	15	94.090	0.140	0.000	1.48		742.9
1.019	S5050 Control Chamber	46	93.418	-0.032	0.000	0.12		11.1
PN	US/MH Name	Status						
5.000	S5023	OK						
5.001	S5025	SURCHARGED						
6.000	S5026	OK						
6.001	S5027	SURCHARGED						
5.002	S5028	SURCHARGED						
1.014	S5029	SURCHARGED						
1.015	S5030	SURCHARGED						

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Summary Wizard of 30 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	SURCHARGED
7.009	S8149	SURCHARGED
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	SURCHARGED
7.012	S5047	SURCHARGED
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	OK

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Summary Wizard of 60 minute 30 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)
1.000		S8142 12	96.822	-0.293	0.000	0.11		19.7
2.000		S8133 12	97.474	-0.236	0.000	0.10		15.4
1.001		S8134 12	96.271	-0.279	0.000	0.30		54.1
1.002		S8141 12	96.103	-0.342	0.000	0.25		76.3
1.003		S8139 12	95.898	-0.357	0.000	0.22		83.0
1.004		S8140 12	95.526	-0.319	0.000	0.32		113.9
1.005		S4008 12	95.473	-0.153	0.000	0.83		135.6
1.006		S4011 12	95.268	-0.321	0.000	0.32		140.0
1.007		S4012 14	94.925	-0.160	0.000	0.49		156.6
3.000		S8157 12	95.989	-0.316	0.000	0.06		14.7
3.001		S8159 12	95.153	-0.327	0.000	0.16		34.6
3.002		S8154 13	94.988	-0.352	0.000	0.23		65.7
3.003		S8155 14	94.883	-0.282	0.000	0.20		86.3
1.008		S5015 14	94.866	0.021	0.000	0.85		242.0
1.009		S5016 14	94.763	0.058	0.000	0.66		242.1
1.010	S5017 - PH4 Connection	14	94.680	0.205	0.000	1.26		259.1
4.000		S5018 12	95.155	-0.249	0.000	0.07		13.8
1.011		S5019 14	94.566	0.161	0.000	1.72		273.5
1.012	S5020 PH5 Connection	14	94.438	0.073	0.000	2.10		280.0
1.013		S5021 14	94.267	-0.063	0.000	0.47		284.6

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Summary Wizard of 60 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.000	S8142	OK
2.000	S8133	OK
1.001	S8134	OK
1.002	S8141	OK
1.003	S8139	OK
1.004	S8140	OK
1.005	S4008	OK
1.006	S4011	OK
1.007	S4012	OK
3.000	S8157	OK
3.001	S8159	OK
3.002	S8154	OK
3.003	S8155	OK
1.008	S5015	SURCHARGED
1.009	S5016	SURCHARGED
1.010	S5017 - PH4 Connection	SURCHARGED
4.000	S5018	OK
1.011	S5019	SURCHARGED
1.012	S5020 PH5 Connection	SURCHARGED
1.013	S5021	OK

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Summary Wizard of 60 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
5.000	S5023	14	94.248	-0.272	0.000	0.14		37.0
5.001	S5025	14	94.237	0.077	0.000	0.23		50.5
6.000	S5026	14	94.366	-0.226	0.000	0.14		14.6
6.001	S5027	14	94.237	0.102	0.000	0.25		33.4
5.002	S5028	14	94.227	0.211	0.000	0.52		89.6
1.014	S5029	14	94.214	0.244	0.000	1.40		369.0
1.015	S5030	14	94.157	0.230	0.000	1.48		371.4
1.016	S8121	16	94.101	0.213	0.000	1.65		380.3
1.017	S5036 - Headwall	18	94.066	-0.259	0.000	0.39		378.4
7.000	S8135	12	96.410	-0.205	0.000	0.28		38.6
7.001	S8136	12	96.387	-0.156	0.000	0.52		71.7
7.002	S8137	12	96.343	-0.131	0.000	0.75		102.2
7.003	S8161	12	96.283	-0.131	0.000	0.79		110.4
8.000	S8151	12	96.291	-0.166	0.000	0.40		29.3
7.004	S8162	12	96.201	-0.138	0.000	0.81		160.0
7.005	S8152	12	96.002	-0.198	0.000	0.69		176.3
9.000	S8144	12	96.322	-0.228	0.000	0.13		10.3
9.001	S8145	12	96.090	-0.285	0.000	0.13		26.1
7.006	S8146	12	95.865	-0.225	0.000	0.61		214.0
10.000	S8165	12	95.645	-0.350	0.000	0.04		6.0
10.001	S8164	12	95.638	-0.273	0.000	0.08		14.4
7.007	S8147	12	95.635	-0.245	0.000	0.55		242.9
7.008	S8150	12	95.543	-0.002	0.000	0.84		244.1
7.009	S8149	13	95.412	0.046	0.000	1.44		270.3
11.000	S5037	12	95.220	-0.160	0.000	0.18		6.6
11.001	S5038	13	95.105	-0.128	0.000	0.24		14.7
11.002	S5039	13	95.091	-0.065	0.000	0.22		13.7
12.000	S5040	12	95.296	-0.087	0.000	0.67		25.8
7.010	S5041	13	95.076	-0.227	0.000	0.61		314.3
7.011	S5042	14	94.609	-0.246	0.000	0.55		322.5
7.012	S5047	14	94.401	0.381	0.000	1.06		328.4
7.013	S8167	14	94.255	0.400	0.000	1.18		326.9
7.014	S5048 - Headwall	16	94.107	0.232	0.000	1.24		315.7
1.018	S5049 - Headwall	19	94.035	0.085	0.000	1.31		658.6
1.019	S5050 Control Chamber	44	93.474	0.024	0.000	0.12		11.6

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	SURCHARGED
6.000	S5026	OK
6.001	S5027	SURCHARGED
5.002	S5028	SURCHARGED
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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Summary Wizard of 60 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	SURCHARGED
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	SURCHARGED
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 120 minute 30 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Pipe Flow (l/s)
1.000	S8142	19	96.804	-0.311	0.000	0.07	12.9
2.000	S8133	19	97.460	-0.250	0.000	0.07	10.0
1.001	S8134	18	96.233	-0.317	0.000	0.19	35.1
1.002	S8141	18	96.061	-0.384	0.000	0.16	49.6
1.003	S8139	18	95.859	-0.396	0.000	0.14	52.9
1.004	S8140	18	95.481	-0.364	0.000	0.20	73.1
1.005	S4008	18	95.376	-0.250	0.000	0.53	86.9
1.006	S4011	18	95.226	-0.363	0.000	0.21	89.6
1.007	S4012	18	94.772	-0.313	0.000	0.34	107.4
3.000	S8157	19	95.977	-0.328	0.000	0.04	9.6
3.001	S8159	18	95.127	-0.353	0.000	0.10	21.9
3.002	S8154	18	94.948	-0.392	0.000	0.15	41.9
3.003	S8155	18	94.765	-0.400	0.000	0.13	55.8
1.008	S5015	18	94.626	-0.219	0.000	0.63	177.9
1.009	S5016	18	94.533	-0.172	0.000	0.48	176.9
1.010	S5017 - PH4 Connection	18	94.485	0.010	0.000	0.92	190.4
4.000	S5018	19	95.144	-0.260	0.000	0.04	8.9
1.011	S5019	18	94.422	0.017	0.000	1.27	201.1
1.012	S5020 PH5 Connection	18	94.367	0.002	0.000	1.54	205.1
1.013	S5021	24	94.026	-0.304	0.000	0.35	213.3

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Summary Wizard of 120 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.000	S8142	OK
2.000	S8133	OK
1.001	S8134	OK
1.002	S8141	OK
1.003	S8139	OK
1.004	S8140	OK
1.005	S4008	OK
1.006	S4011	OK
1.007	S4012	OK
3.000	S8157	OK
3.001	S8159	OK
3.002	S8154	OK
3.003	S8155	OK
1.008	S5015	OK
1.009	S5016	OK
1.010	S5017 - PH4 Connection	SURCHARGED
4.000	S5018	OK
1.011	S5019	SURCHARGED
1.012	S5020 PH5 Connection	SURCHARGED
1.013	S5021	OK

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Summary Wizard of 120 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 180 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.000	S8142	OK
2.000	S8133	OK
1.001	S8134	OK
1.002	S8141	OK
1.003	S8139	OK
1.004	S8140	OK
1.005	S4008	OK
1.006	S4011	OK
1.007	S4012	OK
3.000	S8157	OK
3.001	S8159	OK
3.002	S8154	OK
3.003	S8155	OK
1.008	S5015	OK
1.009	S5016	OK
1.010	S5017 - PH4 Connection	OK
4.000	S5018	OK
1.011	S5019	SURCHARGED
1.012	S5020 PH5 Connection	OK
1.013	S5021	OK

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Summary Wizard of 180 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 240 minute 30 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	29 96.790	-0.325	0.000	0.04		8.2	OK
2.000		S8133	29 97.449	-0.261	0.000	0.04		6.3	OK
1.001		S8134	29 96.204	-0.346	0.000	0.12		22.2	OK
1.002		S8141	28 96.032	-0.413	0.000	0.10		31.4	OK
1.003		S8139	28 95.834	-0.421	0.000	0.09		33.6	OK
1.004		S8140	28 95.445	-0.400	0.000	0.13		46.3	OK
1.005		S4008	28 95.312	-0.314	0.000	0.34		55.1	OK
1.006		S4011	28 95.190	-0.399	0.000	0.13		56.9	OK
1.007		S4012	28 94.725	-0.360	0.000	0.22		68.4	OK
3.000		S8157	29 95.969	-0.336	0.000	0.02		6.0	OK
3.001		S8159	28 95.105	-0.375	0.000	0.07		13.8	OK
3.002		S8154	28 94.922	-0.418	0.000	0.09		26.5	OK
3.003		S8155	28 94.739	-0.426	0.000	0.08		35.3	OK
1.008		S5015	28 94.551	-0.294	0.000	0.40		113.5	OK
1.009		S5016	29 94.395	-0.310	0.000	0.31		112.8	OK
1.010	S5017 - PH4 Connection	29 94.339	-0.136	0.000	0.59			121.1	OK
4.000		S5018	29 95.137	-0.267	0.000	0.03		5.6	OK
1.011		S5019	29 94.302	-0.103	0.000	0.81		128.4	OK
1.012	S5020 PH5 Connection	29 94.265	-0.100	0.000	1.00			133.0	OK
1.013		S5021	35 93.926	-0.404	0.000	0.23		139.4	OK

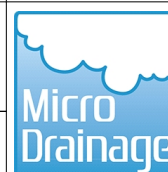
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Summary Wizard of 240 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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PN	US/MH Name	Storm Rank	Water		Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe
			Level (m)	Depth (m)	Volume (m³)	Flow (l/s)			
5.000		S5023	38	94.130	-0.390	0.000	0.04		11.2
5.001		S5025	43	93.801	-0.359	0.000	0.08		18.1
6.000		S5026	37	94.331	-0.261	0.000	0.04		4.4
6.001		S5027	43	93.833	-0.302	0.000	0.08		11.1
5.002		S5028	43	93.753	-0.263	0.000	0.19		31.7
1.014		S5029	43	93.743	-0.227	0.000	0.52		138.2
1.015		S5030	43	93.697	-0.230	0.000	0.55		138.7
1.016		S8121	49	93.649	-0.238	0.000	0.62		143.7
1.017	S5036 - Headwall	49	93.632	-0.693	0.000	0.16			152.5
7.000		S8135	37	96.272	-0.344	0.000	0.08		11.7
7.001		S8136	37	96.231	-0.311	0.000	0.16		21.9
7.002		S8137	37	96.180	-0.293	0.000	0.23		31.4
7.003		S8161	37	96.121	-0.292	0.000	0.24		34.3
8.000		S8151	37	96.226	-0.231	0.000	0.12		8.8
7.004		S8162	37	96.043	-0.296	0.000	0.26		50.3
7.005		S8152	37	95.841	-0.359	0.000	0.22		56.1
9.000		S8144	37	96.288	-0.262	0.000	0.04		3.1
9.001		S8145	37	96.046	-0.329	0.000	0.04		7.6
7.006		S8146	37	95.721	-0.369	0.000	0.19		68.2
10.000		S8165	37	95.570	-0.425	0.000	0.01		1.9
10.001		S8164	37	95.504	-0.407	0.000	0.03		4.7
7.007		S8147	37	95.502	-0.378	0.000	0.18		77.9
7.008		S8150	37	95.205	-0.340	0.000	0.27		78.7
7.009		S8149	37	95.094	-0.272	0.000	0.47		87.9
11.000		S5037	37	95.188	-0.191	0.000	0.05		2.0
11.001		S5038	37	94.992	-0.241	0.000	0.07		4.5
11.002		S5039	37	94.947	-0.209	0.000	0.08		4.8
12.000		S5040	37	95.226	-0.157	0.000	0.20		7.8
7.010		S5041	37	94.937	-0.366	0.000	0.20		103.0
7.011		S5042	37	94.480	-0.375	0.000	0.18		105.9
7.012		S5047	43	93.713	-0.307	0.000	0.36		111.9
7.013		S8167	49	93.652	-0.204	0.000	0.40		111.5
7.014	S5048 - Headwall	49	93.635	-0.240	0.000	0.44			110.8
1.018	S5049 - Headwall	53	93.599	-0.351	0.000	0.52			262.8
1.019	S5050 Control Chamber	36	93.597	0.147	0.000	0.13			12.2

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	OK
1.015	S5030	OK

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PN	US/MH Name	Status																																																																																							
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Summary Wizard of 480 minute 30 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

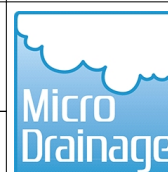
Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142 41	96.780	-0.335	0.000	0.03		4.8	OK
2.000		S8133 41	97.441	-0.269	0.000	0.02		3.7	OK
1.001		S8134 41	96.178	-0.372	0.000	0.07		13.0	OK
1.002		S8141 41	96.003	-0.442	0.000	0.06		18.3	OK
1.003		S8139 41	95.806	-0.449	0.000	0.05		19.6	OK
1.004		S8140 41	95.415	-0.430	0.000	0.08		27.1	OK
1.005		S4008 41	95.259	-0.367	0.000	0.20		32.2	OK
1.006		S4011 41	95.160	-0.429	0.000	0.08		33.3	OK
1.007		S4012 41	94.683	-0.402	0.000	0.13		40.1	OK
3.000		S8157 41	95.955	-0.350	0.000	0.01		3.5	OK
3.001		S8159 41	95.086	-0.394	0.000	0.04		8.1	OK
3.002		S8154 41	94.893	-0.447	0.000	0.05		15.4	OK
3.003		S8155 41	94.713	-0.452	0.000	0.05		20.6	OK
1.008		S5015 41	94.492	-0.353	0.000	0.24		66.6	OK
1.009		S5016 41	94.330	-0.375	0.000	0.18		66.7	OK
1.010	S5017 - PH4 Connection	41 94.212	-0.263	0.000	0.35			72.4	OK
4.000		S5018 41	95.127	-0.277	0.000	0.02		3.3	OK
1.011		S5019 41	94.170	-0.235	0.000	0.48		76.9	OK
1.012	S5020 PH5 Connection	42 94.132	-0.233	0.000	0.59			79.2	OK
1.013		S5021 45	93.878	-0.452	0.000	0.14		83.3	OK

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PN	US/MH Name	Storm Rank	Water		Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe
			Level (m)	Depth (m)	Volume (m³)	Flow (l/s)			
5.000	S5036 - Headwall	S5023	42	94.124	-0.396	0.000	0.03	9.0	
5.001		S5025	45	93.785	-0.375	0.000	0.07	14.5	
6.000		S5026	41	94.327	-0.265	0.000	0.03	3.5	
6.001		S5027	45	93.823	-0.312	0.000	0.07	8.8	
5.002		S5028	45	93.704	-0.312	0.000	0.15	25.6	
1.014		S5029	45	93.691	-0.279	0.000	0.42	111.9	
1.015		S5030	51	93.649	-0.279	0.000	0.45	112.3	
1.016		S8121	53	93.611	-0.276	0.000	0.50	115.9	
1.017		S8121	53	93.610	-0.715	0.000	0.13	122.5	
7.000		S8135	41	96.259	-0.356	0.000	0.07	9.4	
7.001		S8136	41	96.215	-0.328	0.000	0.13	17.5	
7.002		S8137	41	96.163	-0.310	0.000	0.18	25.1	
7.003		S8161	41	96.105	-0.309	0.000	0.20	27.4	
8.000		S8151	41	96.219	-0.238	0.000	0.10	7.0	
7.004		S8162	41	96.026	-0.313	0.000	0.20	40.2	
7.005		S8152	41	95.822	-0.378	0.000	0.18	44.8	
9.000		S8144	41	96.284	-0.266	0.000	0.03	2.5	
9.001		S8145	41	96.042	-0.333	0.000	0.03	6.1	
7.006		S8146	41	95.702	-0.388	0.000	0.16	54.5	
10.000		S8165	41	95.564	-0.431	0.000	0.01	1.5	
10.001		S8164	41	95.487	-0.424	0.000	0.02	3.7	
7.007		S8147	41	95.485	-0.395	0.000	0.14	62.3	
7.008		S8150	41	95.185	-0.360	0.000	0.22	63.0	
7.009		S8149	41	95.063	-0.302	0.000	0.38	70.5	
11.000		S5037	41	95.185	-0.195	0.000	0.04	1.6	
11.001	S5038	41	94.982	-0.251	0.000	0.06	3.6		
11.002	S5039	41	94.930	-0.225	0.000	0.06	3.9		
12.000	S5040	41	95.218	-0.165	0.000	0.16	6.2		
7.010	S5041	41	94.918	-0.385	0.000	0.16	82.5		
7.011	S5042	41	94.463	-0.392	0.000	0.14	85.0		
7.012	S5047	45	93.687	-0.333	0.000	0.29	90.0		
7.013	S8167	53	93.612	-0.243	0.000	0.32	89.5		
7.014	S5048 - Headwall	53	93.611	-0.264	0.000	0.35	88.7		
1.018	S5049 - Headwall	50	93.610	-0.340	0.000	0.42	212.2		
1.019	S5050 Control Chamber	33	93.609	0.159	0.000	0.13	12.2		

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	OK
1.015	S5030	OK

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Summary Wizard of 480 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 600 minute 30 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
1.000		S8142	46 96.778	-0.337	0.000	0.02	4.0	OK	
2.000		S8133	46 97.439	-0.271	0.000	0.02	3.1	OK	
1.001		S8134	46 96.171	-0.379	0.000	0.06	10.9	OK	
1.002		S8141	46 95.995	-0.450	0.000	0.05	15.4	OK	
1.003		S8139	46 95.799	-0.456	0.000	0.04	16.5	OK	
1.004		S8140	46 95.405	-0.440	0.000	0.06	22.7	OK	
1.005		S4008	46 95.244	-0.382	0.000	0.17	27.0	OK	
1.006		S4011	46 95.150	-0.439	0.000	0.06	28.0	OK	
1.007		S4012	46 94.674	-0.411	0.000	0.11	33.6	OK	
3.000		S8157	46 95.951	-0.354	0.000	0.01	3.0	OK	
3.001		S8159	46 95.082	-0.398	0.000	0.03	6.8	OK	
3.002		S8154	46 94.886	-0.454	0.000	0.05	13.0	OK	
3.003		S8155	46 94.707	-0.458	0.000	0.04	17.3	OK	
1.008		S5015	46 94.478	-0.367	0.000	0.20	55.9	OK	
1.009		S5016	46 94.316	-0.389	0.000	0.15	55.9	OK	
1.010	S5017 - PH4 Connection	46 94.184	-0.291	0.000	0.29	60.9	OK		
4.000		S5018	46 95.123	-0.281	0.000	0.01	2.8	OK	
1.011		S5019	46 94.141	-0.264	0.000	0.41	64.7	OK	
1.012	S5020 PH5 Connection	48 94.103	-0.262	0.000	0.50	66.7	OK		
1.013		S5021	49 93.866	-0.464	0.000	0.12	70.3	OK	

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Summary Wizard of 600 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)
5.000		S5023	47 94.120	-0.400	0.000	0.03		7.5
5.001		S5025	49 93.778	-0.382	0.000	0.05		12.2
6.000		S5026	46 94.325	-0.267	0.000	0.03		3.0
6.001		S5027	49 93.817	-0.318	0.000	0.06		7.4
5.002		S5028	51 93.672	-0.345	0.000	0.13		21.6
1.014		S5029	53 93.655	-0.315	0.000	0.36		94.8
1.015		S5030	54 93.617	-0.310	0.000	0.38		95.3
1.016		S8121	51 93.616	-0.271	0.000	0.43		98.9
1.017	S5036 - Headwall	51 93.616	-0.709	0.000	0.11		103.4	
7.000		S8135	46 96.249	-0.366	0.000	0.06		7.9
7.001		S8136	46 96.203	-0.340	0.000	0.11		14.7
7.002		S8137	46 96.151	-0.323	0.000	0.16		21.0
7.003		S8161	46 96.092	-0.322	0.000	0.16		23.0
8.000		S8151	46 96.213	-0.244	0.000	0.08		5.9
7.004		S8162	46 96.014	-0.326	0.000	0.17		33.8
7.005		S8152	46 95.809	-0.391	0.000	0.15		37.6
9.000		S8144	46 96.282	-0.268	0.000	0.03		2.1
9.001		S8145	46 96.040	-0.335	0.000	0.02		5.1
7.006		S8146	46 95.690	-0.400	0.000	0.13		45.8
10.000		S8165	46 95.561	-0.434	0.000	0.01		1.2
10.001		S8164	46 95.476	-0.435	0.000	0.02		3.1
7.007		S8147	46 95.474	-0.406	0.000	0.12		52.3
7.008		S8150	46 95.170	-0.375	0.000	0.18		52.9
7.009		S8149	46 95.042	-0.323	0.000	0.32		59.3
11.000		S5037	46 95.182	-0.197	0.000	0.04		1.4
11.001		S5038	46 94.977	-0.256	0.000	0.05		3.1
11.002		S5039	46 94.921	-0.235	0.000	0.05		3.3
12.000		S5040	46 95.212	-0.170	0.000	0.14		5.2
7.010		S5041	46 94.906	-0.397	0.000	0.14		69.4
7.011		S5042	46 94.451	-0.404	0.000	0.12		71.6
7.012		S5047	53 93.670	-0.350	0.000	0.24		75.8
7.013		S8167	51 93.618	-0.238	0.000	0.27		75.7
7.014	S5048 - Headwall	51 93.617	-0.258	0.000	0.30		75.4	
1.018	S5049 - Headwall	48 93.616	-0.334	0.000	0.35		177.3	
1.019	S5050 Control Chamber	31 93.615	0.165	0.000	0.13		12.2	

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	OK
1.015	S5030	OK

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Summary Wizard of 600 minute 30 year Summer I+0% for Surface Network 5

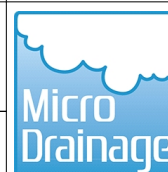
PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 720 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)
5.000	S5036 - Headwall	S5023	55	94.113	-0.407	0.000	0.02	5.2
5.001		S5025	55	93.766	-0.394	0.000	0.04	8.4
6.000		S5026	54	94.319	-0.273	0.000	0.02	2.1
6.001		S5027	55	93.808	-0.327	0.000	0.04	5.1
5.002		S5028	58	93.619	-0.397	0.000	0.09	15.0
1.014		S5029	57	93.617	-0.353	0.000	0.25	65.7
1.015		S5030	55	93.616	-0.311	0.000	0.26	66.3
1.016		S8121	52	93.615	-0.273	0.000	0.30	68.8
1.017		S8135	52	93.614	-0.711	0.000	0.07	72.6
7.000		S8136	54	96.232	-0.383	0.000	0.04	5.4
7.001		S8137	54	96.184	-0.359	0.000	0.07	10.1
7.002		S8161	54	96.128	-0.346	0.000	0.11	14.5
7.003		S8151	54	96.069	-0.345	0.000	0.11	15.9
8.000		S8152	54	96.202	-0.255	0.000	0.06	4.1
7.004		S8162	54	95.992	-0.348	0.000	0.12	23.3
7.005		S8144	54	95.787	-0.413	0.000	0.10	26.0
9.000		S8145	54	96.275	-0.275	0.000	0.02	1.4
9.001		S8146	54	96.030	-0.345	0.000	0.02	3.5
7.006		S8165	54	95.671	-0.419	0.000	0.09	31.6
10.000		S8164	54	95.556	-0.439	0.000	0.01	0.9
10.001		S8147	54	95.457	-0.454	0.000	0.01	2.2
7.007		S8150	54	95.454	-0.426	0.000	0.08	36.1
7.008		S8149	54	95.143	-0.402	0.000	0.13	36.6
7.009		S5037	54	95.006	-0.359	0.000	0.22	41.0
11.000		S5038	54	95.178	-0.201	0.000	0.03	0.9
11.001	S5039	54	94.969	-0.264	0.000	0.03	2.1	
11.002	S5040	54	94.905	-0.251	0.000	0.04	2.3	
12.000	S5041	54	95.204	-0.179	0.000	0.09	3.6	
7.010	S5042	54	94.885	-0.418	0.000	0.09	48.0	
7.011	S5047	54	94.432	-0.423	0.000	0.08	49.5	
7.012	S8167	58	93.639	-0.381	0.000	0.17	52.5	
7.013	S5048 - Headwall	52	93.616	-0.240	0.000	0.19	52.4	
7.014	S5049 - Headwall	52	93.615	-0.260	0.000	0.21	52.4	
1.018	S5050 Control Chamber	49	93.614	-0.336	0.000	0.25	123.6	
1.019		32	93.613	0.163	0.000	0.13	12.2	

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	OK
1.015	S5030	OK

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Summary Wizard of 960 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 1440 minute 30 year Summer I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142 61	96.759	-0.356	0.000	0.01		2.0	OK
2.000		S8133 61	97.424	-0.286	0.000	0.01		1.6	OK
1.001		S8134 61	96.151	-0.399	0.000	0.03		5.5	OK
1.002		S8141 61	95.976	-0.469	0.000	0.03		7.7	OK
1.003		S8139 61	95.783	-0.472	0.000	0.02		8.3	OK
1.004		S8140 61	95.381	-0.464	0.000	0.03		11.4	OK
1.005		S4008 61	95.202	-0.424	0.000	0.08		13.6	OK
1.006		S4011 61	95.125	-0.464	0.000	0.03		14.0	OK
1.007		S4012 61	94.638	-0.447	0.000	0.05		16.9	OK
3.000		S8157 61	95.940	-0.365	0.000	0.01		1.5	OK
3.001		S8159 61	95.064	-0.416	0.000	0.02		3.4	OK
3.002		S8154 61	94.869	-0.471	0.000	0.02		6.5	OK
3.003		S8155 61	94.690	-0.475	0.000	0.02		8.7	OK
1.008		S5015 61	94.430	-0.415	0.000	0.10		28.1	OK
1.009		S5016 61	94.275	-0.430	0.000	0.08		28.1	OK
1.010	S5017 - PH4 Connection	61	94.106	-0.369	0.000	0.15		30.5	OK
4.000		S5018 61	95.114	-0.290	0.000	0.01		1.4	OK
1.011		S5019 61	94.056	-0.349	0.000	0.20		32.4	OK
1.012	S5020 PH5 Connection	61	94.018	-0.347	0.000	0.25		33.5	OK
1.013		S5021 61	93.823	-0.507	0.000	0.06		35.3	OK

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Summary Wizard of 1440 minute 30 year Summer I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 15 minute 100 year Summer I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Pipe Flow (l/s)
1.000	S8142	4	97.341	0.226	0.000	0.29	55.3
2.000	S8133	3	97.519	-0.191	0.000	0.28	43.4
1.001	S8134	4	97.307	0.757	0.000	0.76	138.4
1.002	S8141	4	97.280	0.835	0.000	0.67	204.0
1.003	S8139	4	97.241	0.986	0.000	0.42	162.4
1.004	S8140	4	97.194	1.349	0.000	0.58	209.0
1.005	S4008	4	97.156	1.530	0.000	1.50	243.4
1.006	S4011	4	97.114	1.525	0.000	0.48	210.7
1.007	S4012	4	97.033	1.948	0.000	0.71	225.5
3.000	S8157	4	97.030	0.725	0.000	0.15	38.3
3.001	S8159	4	97.007	1.527	0.000	0.37	78.1
3.002	S8154	4	96.987	1.647	0.000	0.50	143.9
3.003	S8155	4	96.955	1.790	0.000	0.33	141.2
1.008	S5015	4	96.925	2.080	0.000	1.42	401.4
1.009	S5016	4	96.671	1.966	0.000	1.08	396.4
1.010	S5017 - PH4 Connection	4	96.421	1.946	0.000	2.08	430.0
4.000	S5018	4	96.147	0.743	0.000	0.18	36.4
1.011	S5019	4	96.120	1.715	0.000	2.86	453.9
1.012	S5020 PH5 Connection	4	95.772	1.407	0.000	3.47	461.9
1.013	S5021	4	95.427	1.097	0.000	0.80	479.1

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Summary Wizard of 15 minute 100 year Summer I+40% for Surface Network 5								
PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
5.000		S5023	4 95.295	0.775	0.000	0.36		94.0
5.001		S5025	4 95.267	1.107	0.000	0.66		145.7
6.000		S5026	4 95.295	0.703	0.000	0.34		36.7
6.001		S5027	4 95.265	1.130	0.000	0.62		81.6
5.002		S5028	4 95.239	1.223	0.000	1.41		240.7
1.014		S5029	4 95.204	1.234	0.000	2.69		710.1
1.015		S5030	4 94.953	1.026	0.000	2.78		696.2
1.016		S8121	4 94.701	0.814	0.000	3.09		710.7
1.017	S5036 - Headwall	4	94.457	0.132	0.000	0.70		680.6
7.000		S8135	2 98.242	1.626	9.609	0.84		116.8
7.001		S8136	2 98.256	1.713	0.000	1.13		156.6
7.002		S8137	2 98.236	1.763	0.000	1.70		230.9
7.003		S8161	2 98.139	1.725	0.000	1.71		239.2
8.000		S8151	2 98.012	1.555	1.126	0.92		67.6
7.004		S8162	2 97.933	1.593	4.504	1.66		326.9
7.005		S8152	1 97.662	1.462	0.203	1.40		355.7
9.000		S8144	2 97.534	0.984	0.000	0.32		26.2
9.001		S8145	2 97.502	1.127	0.000	0.33		67.3
7.006		S8146	2 97.464	1.374	0.932	1.15		403.7
10.000		S8165	3 97.184	1.189	0.000	0.08		13.8
10.001		S8164	4 97.179	1.268	4.877	0.42		71.8
7.007		S8147	1 97.194	1.314	0.000	0.93		412.3
7.008		S8150	4 96.898	1.353	0.008	1.43		415.2
7.009		S8149	4 96.533	1.168	11.803	2.31		432.7
11.000		S5037	4 96.355	0.975	0.000	0.45		16.6
11.001		S5038	4 96.323	1.090	0.000	0.53		33.0
11.002		S5039	4 96.297	1.142	0.000	0.50		31.2
12.000		S5040	4 96.514	1.131	2.889	1.54		59.1
7.010		S5041	4 96.280	0.977	0.000	0.96		492.6
7.011		S5042	4 95.889	1.034	0.000	0.87		507.7
7.012		S5047	4 95.365	1.345	0.000	1.75		545.0
7.013		S8167	4 94.980	1.125	0.000	1.97		544.7
7.014	S5048 - Headwall	4	94.596	0.721	0.000	1.98		505.0
1.018	S5049 - Headwall	4	94.412	0.462	0.000	2.29		1153.3
1.019	S5050 Control Chamber	42	93.516	0.066	0.000	0.13		11.9
PN		US/MH Name		Status				
5.000		S5023		SURCHARGED				
5.001		S5025		FLOOD RISK				
6.000		S5026		SURCHARGED				
6.001		S5027		FLOOD RISK				
5.002		S5028		FLOOD RISK				
1.014		S5029		SURCHARGED				
1.015		S5030		SURCHARGED				

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Summary Wizard of 15 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	FLOOD RISK
7.000	S8135	FLOOD
7.001	S8136	SURCHARGED
7.002	S8137	SURCHARGED
7.003	S8161	FLOOD RISK
8.000	S8151	FLOOD
7.004	S8162	FLOOD
7.005	S8152	FLOOD
9.000	S8144	SURCHARGED
9.001	S8145	FLOOD RISK
7.006	S8146	FLOOD
10.000	S8165	FLOOD RISK
10.001	S8164	FLOOD
7.007	S8147	FLOOD RISK
7.008	S8150	FLOOD
7.009	S8149	FLOOD
11.000	S5037	FLOOD RISK
11.001	S5038	FLOOD RISK
11.002	S5039	FLOOD RISK
12.000	S5040	FLOOD
7.010	S5041	FLOOD RISK
7.011	S5042	FLOOD RISK
7.012	S5047	FLOOD RISK
7.013	S8167	FLOOD RISK
7.014	S5048 - Headwall	FLOOD RISK
1.018	S5049 - Headwall	FLOOD RISK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 30 minute 100 year Summer I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Overflow Cap. (l/s)	Pipe Flow (l/s)
1.000	S8142	3	97.341	0.226	0.000	0.27	51.1
2.000	S8133	4	97.513	-0.197	0.000	0.26	39.8
1.001	S8134	3	97.312	0.762	0.000	0.74	134.7
1.002	S8141	3	97.288	0.843	0.000	0.61	187.2
1.003	S8139	3	97.252	0.997	0.000	0.42	162.8
1.004	S8140	3	97.208	1.363	0.000	0.53	192.1
1.005	S4008	3	97.170	1.544	0.000	1.35	220.1
1.006	S4011	3	97.128	1.539	0.000	0.44	192.0
1.007	S4012	3	97.043	1.958	0.000	0.69	220.0
3.000	S8157	3	97.040	0.735	0.000	0.15	36.6
3.001	S8159	3	97.020	1.540	0.000	0.34	72.7
3.002	S8154	3	97.000	1.660	0.000	0.43	122.4
3.003	S8155	3	96.968	1.803	0.000	0.31	134.4
1.008	S5015	3	96.938	2.093	0.000	1.34	378.4
1.009	S5016	3	96.698	1.993	0.000	1.02	376.2
1.010	S5017 - PH4 Connection	3	96.467	1.992	0.000	1.99	410.5
4.000	S5018	3	96.212	0.808	0.000	0.16	33.2
1.011	S5019	3	96.185	1.780	0.000	2.74	435.1
1.012	S5020 PH5 Connection	3	95.858	1.493	0.000	3.37	448.8
1.013	S5021	3	95.510	1.180	0.000	0.78	469.6

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Summary Wizard of 30 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
5.000		S5023	3 95.408	0.888	0.000	0.33		85.3
5.001		S5025	3 95.372	1.212	0.000	0.62		136.7
6.000		S5026	3 95.406	0.814	0.000	0.29		31.2
6.001		S5027	3 95.369	1.234	0.000	0.59		77.2
5.002		S5028	3 95.334	1.318	0.000	1.30		222.2
1.014		S5029	3 95.286	1.316	0.000	2.60		684.8
1.015		S5030	3 95.035	1.108	0.000	2.72		681.8
1.016		S8121	3 94.764	0.877	0.000	3.06		703.0
1.017	S5036 - Headwall	3	94.494	0.169	0.000	0.72		704.5
7.000		S8135	3 98.238	1.623	6.023	0.70		98.3
7.001		S8136	3 98.243	1.700	0.000	1.04		143.6
7.002		S8137	3 98.175	1.702	0.000	1.53		208.1
7.003		S8161	4 98.081	1.667	0.000	1.55		216.5
8.000		S8151	3 98.011	1.554	0.406	0.83		60.5
7.004		S8162	4 97.931	1.591	2.644	1.59		314.4
7.005		S8152	4 97.641	1.441	0.000	1.32		335.7
9.000		S8144	3 97.523	0.973	0.000	0.28		23.0
9.001		S8145	3 97.495	1.120	0.000	0.29		58.5
7.006		S8146	3 97.463	1.373	0.388	1.14		400.4
10.000		S8165	4 97.183	1.188	0.000	0.07		12.4
10.001		S8164	3 97.179	1.268	5.241	0.44		75.4
7.007		S8147	4 97.188	1.308	0.000	0.93		411.1
7.008		S8150	3 96.899	1.354	0.000	1.43		415.6
7.009		S8149	3 96.539	1.174	17.772	2.26		423.1
11.000		S5037	3 96.383	1.004	0.000	0.38		14.1
11.001		S5038	3 96.349	1.115	0.000	0.45		27.8
11.002		S5039	3 96.318	1.163	0.000	0.52		32.4
12.000		S5040	3 96.514	1.131	3.000	1.36		52.3
7.010		S5041	3 96.291	0.988	0.000	0.93		475.2
7.011		S5042	3 95.940	1.085	0.000	0.84		494.0
7.012		S5047	3 95.405	1.385	0.000	1.71		532.3
7.013		S8167	3 95.018	1.162	0.000	1.89		524.1
7.014	S5048 - Headwall	3	94.630	0.755	0.000	1.96		499.6
1.018	S5049 - Headwall	3	94.444	0.494	0.000	2.36		1187.1
1.019	S5050 Control Chamber	30	93.618	0.168	0.000	0.13		12.2

PN	US/MH Name	Status
5.000	S5023	SURCHARGED
5.001	S5025	FLOOD RISK
6.000	S5026	SURCHARGED
6.001	S5027	FLOOD RISK
5.002	S5028	FLOOD RISK
1.014	S5029	FLOOD RISK
1.015	S5030	SURCHARGED

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Summary Wizard of 30 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	FLOOD RISK
7.000	S8135	FLOOD
7.001	S8136	SURCHARGED
7.002	S8137	SURCHARGED
7.003	S8161	FLOOD RISK
8.000	S8151	FLOOD
7.004	S8162	FLOOD
7.005	S8152	FLOOD RISK
9.000	S8144	SURCHARGED
9.001	S8145	FLOOD RISK
7.006	S8146	FLOOD
10.000	S8165	FLOOD RISK
10.001	S8164	FLOOD
7.007	S8147	FLOOD RISK
7.008	S8150	FLOOD RISK
7.009	S8149	FLOOD
11.000	S5037	FLOOD RISK
11.001	S5038	FLOOD RISK
11.002	S5039	FLOOD RISK
12.000	S5040	FLOOD
7.010	S5041	FLOOD RISK
7.011	S5042	FLOOD RISK
7.012	S5047	FLOOD RISK
7.013	S8167	FLOOD RISK
7.014	S5048 - Headwall	FLOOD RISK
1.018	S5049 - Headwall	FLOOD RISK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 60 minute 100 year Summer I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)
1.000	S8142	5	96.854	-0.261	0.000	0.19		36.3
2.000	S8133	5	97.498	-0.212	0.000	0.18		28.3
1.001	S8134	5	96.630	0.080	0.000	0.54		98.9
1.002	S8141	5	96.611	0.166	0.000	0.46		139.5
1.003	S8139	5	96.583	0.328	0.000	0.36		140.0
1.004	S8140	5	96.547	0.702	0.000	0.43		156.1
1.005	S4008	5	96.515	0.889	0.000	1.12		181.8
1.006	S4011	5	96.478	0.889	0.000	0.41		179.9
1.007	S4012	5	96.407	1.322	0.000	0.63		201.2
3.000	S8157	5	96.398	0.093	0.000	0.11		27.1
3.001	S8159	5	96.382	0.902	0.000	0.25		53.4
3.002	S8154	5	96.366	1.026	0.000	0.33		94.1
3.003	S8155	5	96.340	1.175	0.000	0.25		108.9
1.008	S5015	5	96.315	1.470	0.000	1.16		327.8
1.009	S5016	5	96.123	1.418	0.000	0.89		326.2
1.010	S5017 - PH4 Connection	5	95.939	1.464	0.000	1.72		355.8
4.000	S5018	5	95.742	0.338	0.000	0.12		24.4
1.011	S5019	5	95.722	1.317	0.000	2.39		378.7
1.012	S5020 PH5 Connection	5	95.473	1.108	0.000	2.93		390.3
1.013	S5021	5	95.209	0.879	0.000	0.68		410.2

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Summary Wizard of 60 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
5.000		S5023	5 95.133	0.613	0.000	0.24		62.5
5.001		S5025	5 95.105	0.945	0.000	0.45		98.8
6.000		S5026	5 95.132	0.540	0.000	0.21		22.3
6.001		S5027	5 95.104	0.969	0.000	0.43		56.6
5.002		S5028	5 95.075	1.059	0.000	0.99		168.8
1.014		S5029	5 95.037	1.067	0.000	2.23		586.8
1.015		S5030	5 94.828	0.901	0.000	2.36		590.8
1.016		S8121	5 94.615	0.728	0.000	2.67		613.8
1.017	S5036 - Headwall	5	94.405	0.080	0.000	0.65		632.0
7.000		S8135	5 97.578	0.963	0.000	0.45		62.1
7.001		S8136	5 97.554	1.012	0.000	0.85		118.1
7.002		S8137	5 97.513	1.039	0.000	1.23		167.1
7.003		S8161	5 97.450	1.036	0.000	1.26		177.2
8.000		S8151	5 97.405	0.948	0.000	0.68		50.0
7.004		S8162	5 97.362	1.023	0.000	1.31		259.1
7.005		S8152	5 97.179	0.979	0.000	1.10		280.9
9.000		S8144	5 97.105	0.555	0.000	0.23		19.0
9.001		S8145	5 97.089	0.714	0.000	0.20		40.3
7.006		S8146	5 97.071	0.981	0.000	0.89		311.5
10.000		S8165	5 96.922	0.927	0.000	0.06		9.6
10.001		S8164	5 96.918	1.007	0.000	0.16		27.4
7.007		S8147	5 96.915	1.035	0.000	0.78		348.1
7.008		S8150	5 96.715	1.170	0.000	1.20		350.1
7.009		S8149	5 96.460	1.095	0.000	2.07		388.0
11.000		S5037	5 96.248	0.869	0.000	0.27		10.1
11.001		S5038	5 96.229	0.996	0.000	0.34		21.1
11.002		S5039	5 96.212	1.056	0.000	0.35		21.9
12.000		S5040	5 96.450	1.067	0.000	1.08		41.7
7.010		S5041	5 96.194	0.891	0.000	0.87		447.9
7.011		S5042	5 95.851	0.996	0.000	0.78		458.8
7.012		S5047	5 95.332	1.312	0.000	1.55		483.3
7.013		S8167	5 94.928	1.073	0.000	1.73		480.5
7.014	S5048 - Headwall	5	94.541	0.666	0.000	1.88		478.8
1.018	S5049 - Headwall	5	94.361	0.411	0.000	2.18		1095.1
1.019	S5050 Control Chamber	20	93.717	0.267	0.000	0.13		12.3

PN	US/MH Name	Status
5.000	S5023	SURCHARGED
5.001	S5025	SURCHARGED
6.000	S5026	SURCHARGED
6.001	S5027	SURCHARGED
5.002	S5028	SURCHARGED
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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Summary Wizard of 60 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	FLOOD RISK
7.000	S8135	SURCHARGED
7.001	S8136	SURCHARGED
7.002	S8137	SURCHARGED
7.003	S8161	SURCHARGED
8.000	S8151	SURCHARGED
7.004	S8162	SURCHARGED
7.005	S8152	SURCHARGED
9.000	S8144	SURCHARGED
9.001	S8145	SURCHARGED
7.006	S8146	SURCHARGED
10.000	S8165	SURCHARGED
10.001	S8164	FLOOD RISK
7.007	S8147	SURCHARGED
7.008	S8150	FLOOD RISK
7.009	S8149	FLOOD RISK
11.000	S5037	FLOOD RISK
11.001	S5038	SURCHARGED
11.002	S5039	FLOOD RISK
12.000	S5040	FLOOD RISK
7.010	S5041	FLOOD RISK
7.011	S5042	FLOOD RISK
7.012	S5047	FLOOD RISK
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	FLOOD RISK
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 120 minute 100 year Summer I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Pipe Flow (l/s)
1.000	S8142	11	96.829	-0.286	0.000	0.13	23.8
2.000	S8133	11	97.479	-0.231	0.000	0.12	18.5
1.001	S8134	11	96.285	-0.265	0.000	0.35	64.7
1.002	S8141	11	96.116	-0.329	0.000	0.30	91.3
1.003	S8139	11	95.909	-0.346	0.000	0.25	97.4
1.004	S8140	11	95.562	-0.283	0.000	0.37	134.1
1.005	S4008	11	95.530	-0.096	0.000	0.98	159.2
1.006	S4011	7	95.493	-0.096	0.000	0.36	158.3
1.007	S4012	7	95.431	0.346	0.000	0.53	169.1
3.000	S8157	11	95.995	-0.310	0.000	0.07	17.6
3.001	S8159	7	95.421	-0.059	0.000	0.18	38.6
3.002	S8154	7	95.408	0.068	0.000	0.25	71.7
3.003	S8155	7	95.389	0.224	0.000	0.19	81.5
1.008	S5015	7	95.370	0.525	0.000	0.95	268.6
1.009	S5016	7	95.249	0.544	0.000	0.73	268.2
1.010	S5017 - PH4 Connection	7	95.130	0.655	0.000	1.41	290.1
4.000	S5018	11	95.160	-0.244	0.000	0.08	16.4
1.011	S5019	7	94.990	0.585	0.000	1.94	307.9
1.012	S5020 PH5 Connection	7	94.830	0.465	0.000	2.38	316.8
1.013	S5021	7	94.659	0.329	0.000	0.55	332.4

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Summary Wizard of 120 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Status
1.000	S8142	OK
2.000	S8133	OK
1.001	S8134	OK
1.002	S8141	OK
1.003	S8139	OK
1.004	S8140	OK
1.005	S4008	OK
1.006	S4011	OK
1.007	S4012	SURCHARGED
3.000	S8157	OK
3.001	S8159	OK
3.002	S8154	SURCHARGED
3.003	S8155	SURCHARGED
1.008	S5015	SURCHARGED
1.009	S5016	SURCHARGED
1.010	S5017 - PH4 Connection	SURCHARGED
4.000	S5018	OK
1.011	S5019	SURCHARGED
1.012	S5020 PH5 Connection	SURCHARGED
1.013	S5021	SURCHARGED

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Summary Wizard of 120 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
			Level (m)	Depth (m)	Volume (m³)			
5.000	S5023	7	94.646	0.126	0.000	0.16		42.0
5.001	S5025	7	94.628	0.468	0.000	0.29		63.4
6.000	S5026	7	94.647	0.055	0.000	0.15		16.2
6.001	S5027	7	94.627	0.492	0.000	0.28		36.3
5.002	S5028	7	94.607	0.591	0.000	0.62		105.3
1.014	S5029	7	94.580	0.610	0.000	1.71		451.3
1.015	S5030	7	94.474	0.547	0.000	1.82		456.3
1.016	S8121	7	94.370	0.483	0.000	2.06		473.4
1.017	S5036 - Headwall	7	94.234	-0.091	0.000	0.51		496.8
7.000	S8135	10	96.463	-0.152	0.000	0.33		46.5
7.001	S8136	10	96.443	-0.100	0.000	0.62		85.8
7.002	S8137	10	96.406	-0.068	0.000	0.90		122.3
7.003	S8161	10	96.342	-0.072	0.000	0.95		132.6
8.000	S8151	11	96.309	-0.148	0.000	0.48		35.0
7.004	S8162	10	96.255	-0.084	0.000	0.99		195.1
7.005	S8152	10	96.053	-0.147	0.000	0.85		216.8
9.000	S8144	11	96.328	-0.222	0.000	0.15		12.4
9.001	S8145	11	96.096	-0.279	0.000	0.15		30.3
7.006	S8146	9	95.956	-0.134	0.000	0.74		261.7
10.000	S8165	8	95.846	-0.149	0.000	0.04		6.7
10.001	S8164	8	95.843	-0.068	0.000	0.12		21.2
7.007	S8147	8	95.841	-0.039	0.000	0.65		287.8
7.008	S8150	8	95.704	0.159	0.000	0.99		286.7
7.009	S8149	7	95.532	0.167	0.000	1.70		318.6
11.000	S5037	7	95.411	0.031	0.000	0.20		7.4
11.001	S5038	7	95.396	0.163	0.000	0.26		16.2
11.002	S5039	7	95.382	0.226	0.000	0.27		16.7
12.000	S5040	7	95.511	0.128	0.000	0.77		29.7
7.010	S5041	7	95.366	0.063	0.000	0.70		361.5
7.011	S5042	7	95.148	0.293	0.000	0.63		371.7
7.012	S5047	7	94.817	0.797	0.000	1.25		390.2
7.013	S8167	7	94.561	0.706	0.000	1.41		390.0
7.014	S5048 - Headwall	7	94.305	0.430	0.000	1.52		386.0
1.018	S5049 - Headwall	7	94.182	0.232	0.000	1.74		876.3
1.019	S5050 Control Chamber	18	93.812	0.362	0.000	0.13		12.3

PN	US/MH Name	Status
5.000	S5023	SURCHARGED
5.001	S5025	SURCHARGED
6.000	S5026	SURCHARGED
6.001	S5027	SURCHARGED
5.002	S5028	SURCHARGED
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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Summary Wizard of 120 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	SURCHARGED
7.009	S8149	SURCHARGED
11.000	S5037	SURCHARGED
11.001	S5038	SURCHARGED
11.002	S5039	SURCHARGED
12.000	S5040	SURCHARGED
7.010	S5041	SURCHARGED
7.011	S5042	SURCHARGED
7.012	S5047	SURCHARGED
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 180 minute 100 year Summer I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)
1.000	S8142	14	96.819	-0.296	0.000	0.10		18.6
2.000	S8133	14	97.472	-0.238	0.000	0.09		14.5
1.001	S8134	14	96.261	-0.289	0.000	0.28		50.5
1.002	S8141	14	96.092	-0.353	0.000	0.23		71.3
1.003	S8139	14	95.889	-0.366	0.000	0.20		75.7
1.004	S8140	14	95.515	-0.330	0.000	0.29		104.2
1.005	S4008	14	95.450	-0.176	0.000	0.76		123.1
1.006	S4011	14	95.259	-0.330	0.000	0.29		127.0
1.007	S4012	13	94.946	-0.139	0.000	0.46		147.2
3.000	S8157	14	95.987	-0.318	0.000	0.05		13.8
3.001	S8159	14	95.146	-0.334	0.000	0.15		31.5
3.002	S8154	14	94.986	-0.354	0.000	0.21		60.2
3.003	S8155	13	94.913	-0.252	0.000	0.17		75.0
1.008	S5015	13	94.896	0.051	0.000	0.82		233.1
1.009	S5016	13	94.804	0.099	0.000	0.63		231.5
1.010	S5017 - PH4 Connection	13	94.727	0.252	0.000	1.22		251.9
4.000	S5018	14	95.153	-0.251	0.000	0.06		12.8
1.011	S5019	13	94.621	0.216	0.000	1.69		267.5
1.012	S5020 PH5 Connection	11	94.502	0.137	0.000	2.07		275.6
1.013	S5021	11	94.377	0.047	0.000	0.48		286.7

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Summary Wizard of 180 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
			Level (m)	Depth (m)	Volume (m³)			
5.000		S5023	10 94.373	-0.147	0.000	0.13		34.1
5.001		S5025	10 94.359	0.199	0.000	0.21		46.2
6.000		S5026	13 94.381	-0.211	0.000	0.13		13.8
6.001		S5027	10 94.358	0.223	0.000	0.23		29.5
5.002		S5028	11 94.342	0.326	0.000	0.48		81.9
1.014		S5029	11 94.320	0.350	0.000	1.44		380.7
1.015		S5030	11 94.245	0.318	0.000	1.54		385.2
1.016		S8121	11 94.172	0.285	0.000	1.74		399.8
1.017	S5036 - Headwall	12 94.126	-0.199	0.000	0.43			418.1
7.000		S8135	14 96.399	-0.217	0.000	0.26		36.5
7.001		S8136	14 96.376	-0.167	0.000	0.48		66.9
7.002		S8137	14 96.334	-0.140	0.000	0.70		95.1
7.003		S8161	14 96.273	-0.140	0.000	0.74		103.9
8.000		S8151	14 96.284	-0.173	0.000	0.38		27.5
7.004		S8162	14 96.192	-0.148	0.000	0.77		152.2
7.005		S8152	14 95.992	-0.208	0.000	0.67		169.9
9.000		S8144	14 96.319	-0.231	0.000	0.12		9.7
9.001		S8145	14 96.085	-0.290	0.000	0.12		23.7
7.006		S8146	14 95.857	-0.233	0.000	0.59		206.1
10.000		S8165	14 95.640	-0.355	0.000	0.03		5.7
10.001		S8164	14 95.631	-0.280	0.000	0.08		13.8
7.007		S8147	14 95.629	-0.251	0.000	0.53		235.3
7.008		S8150	14 95.523	-0.022	0.000	0.82		238.6
7.009		S8149	14 95.402	0.037	0.000	1.42		265.4
11.000		S5037	14 95.217	-0.163	0.000	0.17		6.3
11.001		S5038	14 95.100	-0.134	0.000	0.22		13.8
11.002		S5039	14 95.086	-0.070	0.000	0.23		14.2
12.000		S5040	14 95.288	-0.094	0.000	0.63		24.1
7.010		S5041	14 95.072	-0.231	0.000	0.60		309.4
7.011		S5042	13 94.780	-0.075	0.000	0.54		313.9
7.012		S5047	13 94.536	0.516	0.000	1.06		328.7
7.013		S8167	12 94.351	0.496	0.000	1.19		329.5
7.014	S5048 - Headwall	12 94.175	0.300	0.000	1.29			328.2
1.018	S5049 - Headwall	14 94.090	0.140	0.000	1.47			741.3
1.019	S5050 Control Chamber	17 93.863	0.413	0.000	0.13			12.3

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	SURCHARGED
6.000	S5026	OK
6.001	S5027	SURCHARGED
5.002	S5028	SURCHARGED
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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Summary Wizard of 180 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	SURCHARGED
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	SURCHARGED
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 240 minute 100 year Summer I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Overflow Cap. (l/s)	Pipe Flow (l/s)
1.000	S8142	16	96.810	-0.305	0.000	0.08	15.0
2.000	S8133	16	97.464	-0.246	0.000	0.08	11.6
1.001	S8134	16	96.243	-0.307	0.000	0.22	40.7
1.002	S8141	16	96.073	-0.372	0.000	0.19	57.5
1.003	S8139	16	95.870	-0.385	0.000	0.16	61.4
1.004	S8140	16	95.492	-0.353	0.000	0.24	84.8
1.005	S4008	16	95.401	-0.225	0.000	0.62	100.8
1.006	S4011	16	95.238	-0.351	0.000	0.24	104.1
1.007	S4012	16	94.791	-0.294	0.000	0.39	125.0
3.000	S8157	16	95.980	-0.325	0.000	0.04	11.1
3.001	S8159	16	95.133	-0.347	0.000	0.12	25.3
3.002	S8154	16	94.959	-0.381	0.000	0.17	48.4
3.003	S8155	16	94.774	-0.391	0.000	0.15	64.5
1.008	S5015	16	94.681	-0.164	0.000	0.73	205.4
1.009	S5016	16	94.605	-0.100	0.000	0.55	203.4
1.010	S5017 - PH4 Connection	16	94.542	0.067	0.000	1.07	220.4
4.000	S5018	16	95.147	-0.257	0.000	0.05	10.3
1.011	S5019	16	94.459	0.054	0.000	1.48	234.5
1.012	S5020 PH5 Connection	16	94.387	0.022	0.000	1.82	242.5
1.013	S5021	16	94.216	-0.114	0.000	0.42	252.7

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Summary Wizard of 240 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
			Level (m)	Depth (m)	Volume (m³)			
5.000		S5023	16 94.218	-0.302	0.000	0.11		27.9
5.001		S5025	16 94.202	0.042	0.000	0.19		41.3
6.000		S5026	16 94.356	-0.236	0.000	0.10		11.1
6.001		S5027	16 94.202	0.067	0.000	0.20		26.2
5.002		S5028	16 94.188	0.172	0.000	0.43		72.9
1.014		S5029	16 94.170	0.200	0.000	1.26		331.4
1.015		S5030	18 94.114	0.187	0.000	1.33		333.1
1.016		S8121	20 94.064	0.177	0.000	1.50		345.0
1.017	S5036 - Headwall	21	94.035	-0.290	0.000	0.37		357.1
7.000		S8135	16 96.361	-0.254	0.000	0.21		29.4
7.001		S8136	16 96.335	-0.208	0.000	0.39		54.5
7.002		S8137	16 96.291	-0.183	0.000	0.58		78.0
7.003		S8161	16 96.232	-0.182	0.000	0.61		85.0
8.000		S8151	16 96.269	-0.188	0.000	0.30		22.1
7.004		S8162	16 96.151	-0.188	0.000	0.63		124.8
7.005		S8152	16 95.954	-0.246	0.000	0.55		138.8
9.000		S8144	16 96.312	-0.238	0.000	0.10		7.8
9.001		S8145	16 96.077	-0.298	0.000	0.09		19.1
7.006		S8146	16 95.823	-0.267	0.000	0.48		168.9
10.000		S8165	16 95.615	-0.380	0.000	0.03		4.6
10.001		S8164	16 95.600	-0.311	0.000	0.07		11.5
7.007		S8147	16 95.598	-0.282	0.000	0.43		192.5
7.008		S8150	16 95.448	-0.097	0.000	0.67		193.3
7.009		S8149	17 95.365	0.000	0.000	1.14		213.4
11.000		S5037	16 95.210	-0.170	0.000	0.14		5.0
11.001		S5038	16 95.066	-0.167	0.000	0.18		11.2
11.002		S5039	16 95.053	-0.102	0.000	0.18		11.4
12.000		S5040	16 95.271	-0.111	0.000	0.51		19.5
7.010		S5041	16 95.041	-0.262	0.000	0.48		249.0
7.011		S5042	16 94.577	-0.278	0.000	0.44		258.8
7.012		S5047	16 94.281	0.261	0.000	0.87		272.1
7.013		S8167	16 94.164	0.308	0.000	0.98		272.3
7.014	S5048 - Headwall	21	94.057	0.182	0.000	1.06		269.0
1.018	S5049 - Headwall	24	94.006	0.056	0.000	1.20		606.4
1.019	S5050 Control Chamber	15	93.896	0.446	0.000	0.13		12.3

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	SURCHARGED
6.000	S5026	OK
6.001	S5027	SURCHARGED
5.002	S5028	SURCHARGED
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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Summary Wizard of 240 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	SURCHARGED
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 360 minute 100 year Summer I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Overflow Cap. (l/s)	Pipe Flow (l/s)
1.000	S8142	23	96.798	-0.317	0.000	0.06	10.9
2.000	S8133	23	97.455	-0.255	0.000	0.05	8.4
1.001	S8134	23	96.220	-0.330	0.000	0.16	29.5
1.002	S8141	22	96.048	-0.397	0.000	0.14	41.8
1.003	S8139	22	95.848	-0.407	0.000	0.12	44.7
1.004	S8140	22	95.465	-0.380	0.000	0.17	61.7
1.005	S4008	21	95.348	-0.278	0.000	0.45	73.3
1.006	S4011	21	95.211	-0.378	0.000	0.17	75.8
1.007	S4012	21	94.752	-0.333	0.000	0.29	91.3
3.000	S8157	23	95.974	-0.331	0.000	0.03	8.0
3.001	S8159	22	95.119	-0.361	0.000	0.09	18.4
3.002	S8154	22	94.936	-0.404	0.000	0.12	35.1
3.003	S8155	22	94.754	-0.411	0.000	0.11	46.8
1.008	S5015	20	94.596	-0.249	0.000	0.54	151.7
1.009	S5016	20	94.505	-0.200	0.000	0.41	151.6
1.010	S5017 - PH4 Connection	20	94.464	-0.011	0.000	0.80	164.7
4.000	S5018	23	95.141	-0.263	0.000	0.04	7.5
1.011	S5019	20	94.409	0.004	0.000	1.10	175.0
1.012	S5020 PH5 Connection	20	94.365	0.000	0.000	1.35	180.3
1.013	S5021	28	94.007	-0.323	0.000	0.31	189.2

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Summary Wizard of 360 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Status
1.000	S8142	OK
2.000	S8133	OK
1.001	S8134	OK
1.002	S8141	OK
1.003	S8139	OK
1.004	S8140	OK
1.005	S4008	OK
1.006	S4011	OK
1.007	S4012	OK
3.000	S8157	OK
3.001	S8159	OK
3.002	S8154	OK
3.003	S8155	OK
1.008	S5015	OK
1.009	S5016	OK
1.010	S5017 - PH4 Connection	OK
4.000	S5018	OK
1.011	S5019	SURCHARGED
1.012	S5020 PH5 Connection	OK
1.013	S5021	OK

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<table><tr><td></td><td>US/MH</td><td></td></tr><tr><td>PN</td><td>Name</td><td>Status</td></tr><tr><td>1.016</td><td>S8121</td><td>SURCHARGED</td></tr><tr><td>1.017</td><td>S5036 - Headwall</td><td>OK</td></tr><tr><td>7.000</td><td>S8135</td><td>OK</td></tr><tr><td>7.001</td><td>S8136</td><td>OK</td></tr><tr><td>7.002</td><td>S8137</td><td>OK</td></tr><tr><td>7.003</td><td>S8161</td><td>OK</td></tr><tr><td>8.000</td><td>S8151</td><td>OK</td></tr><tr><td>7.004</td><td>S8162</td><td>OK</td></tr><tr><td>7.005</td><td>S8152</td><td>OK</td></tr><tr><td>9.000</td><td>S8144</td><td>OK</td></tr><tr><td>9.001</td><td>S8145</td><td>OK</td></tr><tr><td>7.006</td><td>S8146</td><td>OK</td></tr><tr><td>10.000</td><td>S8165</td><td>OK</td></tr><tr><td>10.001</td><td>S8164</td><td>OK</td></tr><tr><td>7.007</td><td>S8147</td><td>OK</td></tr><tr><td>7.008</td><td>S8150</td><td>OK</td></tr><tr><td>7.009</td><td>S8149</td><td>OK</td></tr><tr><td>11.000</td><td>S5037</td><td>OK</td></tr><tr><td>11.001</td><td>S5038</td><td>OK</td></tr><tr><td>11.002</td><td>S5039</td><td>OK</td></tr><tr><td>12.000</td><td>S5040</td><td>OK</td></tr><tr><td>7.010</td><td>S5041</td><td>OK</td></tr><tr><td>7.011</td><td>S5042</td><td>OK</td></tr><tr><td>7.012</td><td>S5047</td><td>OK</td></tr><tr><td>7.013</td><td>S8167</td><td>SURCHARGED</td></tr><tr><td>7.014</td><td>S5048 - Headwall</td><td>SURCHARGED</td></tr><tr><td>1.018</td><td>S5049 - Headwall</td><td>OK</td></tr><tr><td>1.019</td><td>S5050 Control Chamber</td><td>SURCHARGED</td></tr></table>				US/MH		PN	Name	Status	1.016	S8121	SURCHARGED	1.017	S5036 - Headwall	OK	7.000	S8135	OK	7.001	S8136	OK	7.002	S8137	OK	7.003	S8161	OK	8.000	S8151	OK	7.004	S8162	OK	7.005	S8152	OK	9.000	S8144	OK	9.001	S8145	OK	7.006	S8146	OK	10.000	S8165	OK	10.001	S8164	OK	7.007	S8147	OK	7.008	S8150	OK	7.009	S8149	OK	11.000	S5037	OK	11.001	S5038	OK	11.002	S5039	OK	12.000	S5040	OK	7.010	S5041	OK	7.011	S5042	OK	7.012	S5047	OK	7.013	S8167	SURCHARGED	7.014	S5048 - Headwall	SURCHARGED	1.018	S5049 - Headwall	OK	1.019	S5050 Control Chamber	SURCHARGED
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Summary Wizard of 480 minute 100 year Summer I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

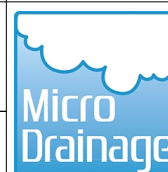
Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	27 96.791	-0.324	0.000	0.05		8.7	OK
2.000		S8133	27 97.450	-0.260	0.000	0.04		6.7	OK
1.001		S8134	27 96.207	-0.343	0.000	0.13		23.5	OK
1.002		S8141	27 96.035	-0.410	0.000	0.11		33.2	OK
1.003		S8139	27 95.837	-0.418	0.000	0.09		35.6	OK
1.004		S8140	27 95.448	-0.397	0.000	0.14		49.1	OK
1.005		S4008	27 95.318	-0.308	0.000	0.36		58.4	OK
1.006		S4011	27 95.193	-0.396	0.000	0.14		60.3	OK
1.007		S4012	27 94.729	-0.356	0.000	0.23		72.6	OK
3.000		S8157	27 95.970	-0.335	0.000	0.03		6.4	OK
3.001		S8159	27 95.107	-0.373	0.000	0.07		14.6	OK
3.002		S8154	27 94.924	-0.416	0.000	0.10		28.0	OK
3.003		S8155	27 94.743	-0.422	0.000	0.09		37.3	OK
1.008		S5015	27 94.563	-0.282	0.000	0.43		120.6	OK
1.009		S5016	24 94.475	-0.230	0.000	0.32		118.7	OK
1.010	S5017 - PH4 Connection	24 94.443	-0.032	0.000	0.62			127.5	OK
4.000		S5018	27 95.138	-0.266	0.000	0.03		5.9	OK
1.011		S5019	24 94.405	0.000	0.000	0.84		133.7	OK
1.012	S5020 PH5 Connection	24 94.365	0.000	0.000	1.03			137.2	OK
1.013		S5021	32 93.977	-0.353	0.000	0.24		144.6	OK

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PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
5.000	S5036 - Headwall	S5023	27	94.143	-0.377	0.000	0.06	16.3
5.001		S5025	32	93.976	-0.184	0.000	0.12	25.9
6.000		S5026	27	94.339	-0.253	0.000	0.06	6.4
6.001		S5027	32	93.976	-0.159	0.000	0.12	15.9
5.002		S5028	31	93.975	-0.041	0.000	0.27	45.4
1.014		S5029	30	93.974	0.004	0.000	0.74	194.8
1.015		S5030	29	93.972	0.044	0.000	0.79	197.3
1.016		S8121	29	93.970	0.083	0.000	0.89	205.3
1.017		S8121	29	93.969	-0.356	0.000	0.22	217.0
7.000		S8135	27	96.300	-0.315	0.000	0.12	17.0
7.001		S8136	27	96.264	-0.279	0.000	0.23	31.7
7.002		S8137	27	96.216	-0.258	0.000	0.33	45.4
7.003		S8161	27	96.157	-0.257	0.000	0.35	49.6
8.000		S8151	27	96.241	-0.216	0.000	0.17	12.7
7.004		S8162	27	96.078	-0.261	0.000	0.37	72.9
7.005		S8152	27	95.878	-0.322	0.000	0.32	81.2
9.000		S8144	27	96.295	-0.255	0.000	0.06	4.5
9.001		S8145	27	96.056	-0.319	0.000	0.05	11.0
7.006		S8146	27	95.754	-0.336	0.000	0.28	98.8
10.000		S8165	27	95.586	-0.409	0.000	0.02	2.7
10.001		S8164	27	95.535	-0.376	0.000	0.04	6.8
7.007		S8147	27	95.534	-0.346	0.000	0.25	112.9
7.008		S8150	27	95.257	-0.288	0.000	0.39	114.2
7.009		S8149	27	95.159	-0.206	0.000	0.68	127.8
11.000		S5037	27	95.196	-0.183	0.000	0.08	2.9
11.001	S5038	27	95.010	-0.224	0.000	0.11	6.6	
11.002	S5039	27	94.978	-0.178	0.000	0.11	7.0	
12.000	S5040	27	95.241	-0.142	0.000	0.29	11.3	
7.010	S5041	27	94.971	-0.332	0.000	0.29	149.6	
7.011	S5042	27	94.512	-0.343	0.000	0.26	154.1	
7.012	S5047	30	93.973	-0.047	0.000	0.52	162.9	
7.013	S8167	29	93.972	0.116	0.000	0.58	162.0	
7.014	S5048 - Headwall	29	93.970	0.095	0.000	0.63	160.8	
1.018	S5049 - Headwall	29	93.968	0.018	0.000	0.75	377.5	
1.019	S5050 Control Chamber	12	93.967	0.517	0.000	0.13	12.3	

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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Summary Wizard of 480 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 600 minute 100 year Summer I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

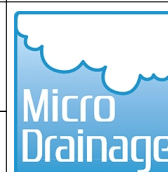
Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142 32	96.787	-0.328	0.000	0.04		7.2	OK
2.000		S8133 32	97.447	-0.263	0.000	0.04		5.6	OK
1.001		S8134 32	96.198	-0.352	0.000	0.11		19.7	OK
1.002		S8141 32	96.026	-0.419	0.000	0.09		27.8	OK
1.003		S8139 32	95.826	-0.429	0.000	0.08		29.8	OK
1.004		S8140 32	95.438	-0.407	0.000	0.11		41.1	OK
1.005		S4008 32	95.297	-0.329	0.000	0.30		48.8	OK
1.006		S4011 32	95.182	-0.407	0.000	0.12		50.5	OK
1.007		S4012 32	94.715	-0.370	0.000	0.19		60.8	OK
3.000		S8157 32	95.968	-0.337	0.000	0.02		5.3	OK
3.001		S8159 32	95.100	-0.380	0.000	0.06		12.2	OK
3.002		S8154 32	94.914	-0.426	0.000	0.08		23.4	OK
3.003		S8155 32	94.732	-0.433	0.000	0.07		31.2	OK
1.008		S5015 32	94.536	-0.309	0.000	0.36		101.1	OK
1.009		S5016 32	94.371	-0.334	0.000	0.27		101.1	OK
1.010	S5017 - PH4 Connection	32	94.306	-0.169	0.000	0.53		109.9	OK
4.000		S5018 32	95.135	-0.269	0.000	0.02		5.0	OK
1.011		S5019 32	94.268	-0.137	0.000	0.74		116.8	OK
1.012	S5020 PH5 Connection	32	94.230	-0.135	0.000	0.90		120.5	OK
1.013		S5021 30	93.992	-0.338	0.000	0.21		126.9	OK

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PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
5.000		S5023	32	94.136	-0.384	0.000	0.05	13.6
5.001		S5025	30	93.991	-0.169	0.000	0.10	21.9
6.000		S5026	32	94.335	-0.257	0.000	0.05	5.4
6.001		S5027	30	93.991	-0.144	0.000	0.10	13.4
5.002		S5028	29	93.991	-0.026	0.000	0.23	38.6
1.014		S5029	28	93.990	0.019	0.000	0.65	170.5
1.015		S5030	28	93.988	0.060	0.000	0.68	171.5
1.016		S8121	27	93.986	0.099	0.000	0.77	177.8
1.017	S5036 - Headwall	27	93.985	-0.340	0.000	0.19		186.3
7.000		S8135	32	96.285	-0.330	0.000	0.10	14.2
7.001		S8136	32	96.247	-0.296	0.000	0.19	26.5
7.002		S8137	32	96.198	-0.276	0.000	0.28	38.0
7.003		S8161	32	96.139	-0.275	0.000	0.30	41.5
8.000		S8151	32	96.233	-0.224	0.000	0.15	10.7
7.004		S8162	32	96.060	-0.279	0.000	0.31	61.0
7.005		S8152	32	95.859	-0.341	0.000	0.27	68.0
9.000		S8144	32	96.291	-0.259	0.000	0.05	3.8
9.001		S8145	32	96.051	-0.324	0.000	0.04	9.2
7.006		S8146	32	95.737	-0.353	0.000	0.24	82.7
10.000		S8165	32	95.577	-0.418	0.000	0.01	2.3
10.001		S8164	32	95.520	-0.391	0.000	0.03	5.7
7.007		S8147	32	95.518	-0.362	0.000	0.21	94.5
7.008		S8150	32	95.230	-0.315	0.000	0.33	95.6
7.009		S8149	32	95.125	-0.240	0.000	0.57	107.1
11.000		S5037	32	95.192	-0.187	0.000	0.07	2.4
11.001		S5038	32	95.000	-0.234	0.000	0.09	5.5
11.002		S5039	31	94.961	-0.195	0.000	0.10	5.9
12.000		S5040	32	95.233	-0.150	0.000	0.25	9.4
7.010		S5041	32	94.953	-0.350	0.000	0.24	125.5
7.011		S5042	32	94.496	-0.359	0.000	0.22	129.4
7.012		S5047	28	93.989	-0.031	0.000	0.44	136.9
7.013		S8167	27	93.988	0.132	0.000	0.49	136.6
7.014	S5048 - Headwall	27	93.986	0.111	0.000	0.54		136.3
1.018	S5049 - Headwall	26	93.984	0.034	0.000	0.63		315.4
1.019	S5050 Control Chamber	10	93.984	0.534	0.000	0.13		12.3

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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Summary Wizard of 600 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 720 minute 100 year Summer I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142 35	96.784	-0.331	0.000	0.03		6.3	OK
2.000		S8133 35	97.445	-0.265	0.000	0.03		4.9	OK
1.001		S8134 35	96.192	-0.358	0.000	0.09		17.0	OK
1.002		S8141 35	96.017	-0.428	0.000	0.08		24.1	OK
1.003		S8139 35	95.818	-0.437	0.000	0.07		25.8	OK
1.004		S8140 35	95.430	-0.415	0.000	0.10		35.5	OK
1.005		S4008 35	95.282	-0.344	0.000	0.26		42.2	OK
1.006		S4011 35	95.175	-0.414	0.000	0.10		43.7	OK
1.007		S4012 35	94.702	-0.383	0.000	0.17		52.5	OK
3.000		S8157 35	95.963	-0.342	0.000	0.02		4.6	OK
3.001		S8159 35	95.094	-0.386	0.000	0.05		10.6	OK
3.002		S8154 35	94.906	-0.434	0.000	0.07		20.2	OK
3.003		S8155 35	94.724	-0.441	0.000	0.06		27.0	OK
1.008		S5015 35	94.519	-0.326	0.000	0.31		87.4	OK
1.009		S5016 35	94.353	-0.352	0.000	0.24		87.4	OK
1.010	S5017 - PH4 Connection	35	94.268	-0.207	0.000	0.46		95.0	OK
4.000		S5018 35	95.134	-0.270	0.000	0.02		4.3	OK
1.011		S5019 35	94.229	-0.176	0.000	0.64		101.0	OK
1.012	S5020 PH5 Connection	35	94.191	-0.174	0.000	0.78		104.3	OK
1.013		S5021 29	94.003	-0.327	0.000	0.18		109.8	OK

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PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
5.000	S5036 - Headwall	S5023	35	94.131	-0.389	0.000	0.05	11.8
5.001		S5025	27	94.003	-0.157	0.000	0.09	19.0
6.000		S5026	35	94.332	-0.260	0.000	0.04	4.6
6.001		S5027	27	94.003	-0.132	0.000	0.09	11.6
5.002		S5028	26	94.002	-0.014	0.000	0.20	33.3
1.014		S5029	26	94.001	0.031	0.000	0.56	147.4
1.015		S5030	26	94.000	0.073	0.000	0.59	148.1
1.016		S8121	26	93.998	0.111	0.000	0.67	153.1
1.017		S8122	26	93.997	-0.328	0.000	0.17	161.6
7.000		S8135	35	96.274	-0.341	0.000	0.09	12.3
7.001		S8136	35	96.235	-0.308	0.000	0.17	22.9
7.002		S8137	35	96.184	-0.290	0.000	0.24	32.9
7.003		S8161	35	96.125	-0.288	0.000	0.26	35.9
8.000		S8151	35	96.227	-0.230	0.000	0.13	9.2
7.004		S8162	35	96.047	-0.293	0.000	0.27	52.8
7.005		S8152	35	95.845	-0.355	0.000	0.23	58.8
9.000		S8144	35	96.288	-0.262	0.000	0.04	3.3
9.001		S8145	35	96.047	-0.328	0.000	0.04	8.0
7.006		S8146	35	95.725	-0.365	0.000	0.20	71.5
10.000		S8165	35	95.571	-0.424	0.000	0.01	1.9
10.001		S8164	35	95.508	-0.403	0.000	0.03	4.9
7.007		S8147	35	95.506	-0.374	0.000	0.18	81.7
7.008		S8150	35	95.211	-0.334	0.000	0.28	82.7
7.009		S8149	35	95.101	-0.264	0.000	0.49	92.6
11.000		S5037	35	95.189	-0.190	0.000	0.06	2.1
11.001		S5038	35	94.994	-0.239	0.000	0.08	4.8
11.002		S5039	35	94.950	-0.206	0.000	0.08	5.1
12.000		S5040	35	95.228	-0.155	0.000	0.21	8.2
7.010		S5041	35	94.941	-0.362	0.000	0.21	108.5
7.011		S5042	35	94.485	-0.370	0.000	0.19	111.9
7.012	S5047	26	94.001	-0.019	0.000	0.38	118.3	
7.013	S8167	26	94.000	0.144	0.000	0.43	118.0	
7.014	S5048 - Headwall	26	93.999	0.124	0.000	0.46	117.8	
1.018	S5049 - Headwall	25	93.997	0.047	0.000	0.54	269.5	
1.019	S5050 Control Chamber	9	93.996	0.546	0.000	0.13	12.3	

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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Summary Wizard of 720 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	SURCHARGED



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Simulation Criteria

Number of Input Hydrographs	0	Number of Storage Structures	1
Number of Online Controls	1	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

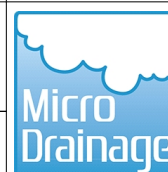
Synthetic Rainfall Details

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Margin for Flood Risk Warning (mm) 300.0      DVD Status OFF
      Analysis Timestep      Fine Inertia Status OFF
      DTS Status      ON
```

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
1.000	S8142	40	96.780	-0.335	0.000	0.03		5.0	OK
2.000	S8133	40	97.442	-0.268	0.000	0.02		3.9	OK
1.001	S8134	40	96.180	-0.370	0.000	0.07		13.5	OK
1.002	S8141	40	96.005	-0.440	0.000	0.06		19.1	OK
1.003	S8139	40	95.807	-0.448	0.000	0.05		20.4	OK
1.004	S8140	40	95.417	-0.428	0.000	0.08		28.2	OK
1.005	S4008	40	95.262	-0.364	0.000	0.21		33.5	OK
1.006	S4011	40	95.162	-0.427	0.000	0.08		34.7	OK
1.007	S4012	40	94.686	-0.399	0.000	0.13		41.7	OK
3.000	S8157	40	95.956	-0.349	0.000	0.01		3.7	OK
3.001	S8159	40	95.087	-0.393	0.000	0.04		8.4	OK
3.002	S8154	40	94.895	-0.445	0.000	0.06		16.1	OK
3.003	S8155	40	94.714	-0.451	0.000	0.05		21.4	OK
1.008	S5015	40	94.495	-0.350	0.000	0.24		69.4	OK
1.009	S5016	40	94.333	-0.372	0.000	0.19		69.4	OK
1.010	S5017 - PH4 Connection	40	94.219	-0.256	0.000	0.37		75.5	OK
4.000	S5018	40	95.128	-0.276	0.000	0.02		3.4	OK
1.011	S5019	40	94.178	-0.227	0.000	0.51		80.2	OK
1.012	S5020 PH5 Connection	40	94.140	-0.225	0.000	0.62		82.8	OK
1.013	S5021	26	94.013	-0.317	0.000	0.15		87.2	OK

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PN	US/MH Name	Storm Rank	Water		Surcharged	Flooded	Flow / Cap.	Overflow (1/s)	Pipe
			Level (m)	Depth (m)	Volume (m³)	Flow (1/s)			
5.000	S5036 - Headwall	S5023	41	94.125	-0.395	0.000	0.04		9.3
5.001		S5025	26	94.012	-0.148	0.000	0.07		15.1
6.000		S5026	40	94.328	-0.264	0.000	0.03		3.7
6.001		S5027	26	94.012	-0.123	0.000	0.07		9.2
5.002		S5028	25	94.012	-0.005	0.000	0.15		26.4
1.014		S5029	25	94.012	0.041	0.000	0.44		116.8
1.015		S5030	25	94.010	0.083	0.000	0.47		117.2
1.016		S8121	25	94.009	0.122	0.000	0.53		121.0
1.017		S8122	25	94.009	0.122	0.000	0.53		121.0
7.000		S8135	40	96.261	-0.354	0.000	0.07		9.8
7.001		S8136	40	96.218	-0.325	0.000	0.13		18.2
7.002		S8137	40	96.166	-0.308	0.000	0.19		26.1
7.003		S8161	40	96.107	-0.307	0.000	0.20		28.5
8.000		S8151	40	96.220	-0.237	0.000	0.10		7.3
7.004		S8162	40	96.029	-0.310	0.000	0.21		41.9
7.005		S8152	40	95.826	-0.374	0.000	0.18		46.7
9.000		S8144	40	96.285	-0.265	0.000	0.03		2.6
9.001		S8145	40	96.043	-0.332	0.000	0.03		6.3
7.006		S8146	40	95.705	-0.385	0.000	0.16		56.8
10.000		S8165	40	95.565	-0.430	0.000	0.01		1.5
10.001		S8164	40	95.490	-0.421	0.000	0.02		3.9
7.007		S8147	40	95.488	-0.392	0.000	0.15		64.8
7.008		S8150	40	95.188	-0.357	0.000	0.23		65.6
7.009		S8149	40	95.068	-0.297	0.000	0.39		73.5
11.000		S5037	40	95.185	-0.194	0.000	0.05		1.7
11.001	S5038	40	94.984	-0.250	0.000	0.06		3.8	
11.002	S5039	40	94.933	-0.223	0.000	0.07		4.0	
12.000	S5040	40	95.219	-0.163	0.000	0.17		6.5	
7.010	S5041	40	94.921	-0.382	0.000	0.17		86.1	
7.011	S5042	40	94.466	-0.389	0.000	0.15		88.9	
7.012	S5047	25	94.011	-0.009	0.000	0.30		93.9	
7.013	S8167	25	94.010	0.155	0.000	0.34		93.6	
7.014	S5048 - Headwall	25	94.010	0.135	0.000	0.37		93.4	
1.018	S5049 - Headwall	23	94.008	0.058	0.000	0.42		212.8	
1.019	S5050 Control Chamber	8	94.007	0.557	0.000	0.13		12.3	

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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Summary Wizard of 960 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 1440 minute 100 year Summer I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

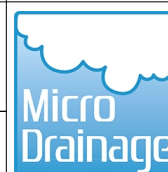
Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	49 96.774	-0.341	0.000	0.02		3.6	OK
2.000		S8133	49 97.436	-0.274	0.000	0.02		2.8	OK
1.001		S8134	49 96.166	-0.384	0.000	0.05		9.7	OK
1.002		S8141	49 95.991	-0.454	0.000	0.05		13.8	OK
1.003		S8139	49 95.796	-0.459	0.000	0.04		14.7	OK
1.004		S8140	49 95.400	-0.445	0.000	0.06		20.3	OK
1.005		S4008	49 95.235	-0.391	0.000	0.15		24.2	OK
1.006		S4011	49 95.145	-0.444	0.000	0.06		25.0	OK
1.007		S4012	49 94.668	-0.417	0.000	0.09		30.1	OK
3.000		S8157	49 95.949	-0.356	0.000	0.01		2.6	OK
3.001		S8159	49 95.080	-0.400	0.000	0.03		6.1	OK
3.002		S8154	49 94.882	-0.458	0.000	0.04		11.6	OK
3.003		S8155	49 94.704	-0.461	0.000	0.04		15.4	OK
1.008		S5015	49 94.468	-0.377	0.000	0.18		50.0	OK
1.009		S5016	49 94.308	-0.397	0.000	0.14		50.0	OK
1.010	S5017 - PH4 Connection	48 94.168	-0.307	0.000	0.26			54.4	OK
4.000		S5018	49 95.121	-0.283	0.000	0.01		2.5	OK
1.011		S5019	49 94.124	-0.281	0.000	0.36		57.8	OK
1.012	S5020 PH5 Connection	49 94.086	-0.279	0.000	0.45			59.7	OK
1.013		S5021	25 94.020	-0.310	0.000	0.10		62.9	OK

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Summary Wizard of 1440 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Storm Rank	Water		Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
			Level (m)	Depth (m)	Volume (m³)				
5.000		S5023	50	94.118	-0.402	0.000	0.03		6.7
5.001		S5025	24	94.020	-0.140	0.000	0.05		10.9
6.000		S5026	49	94.323	-0.268	0.000	0.02		2.7
6.001		S5027	24	94.019	-0.116	0.000	0.05		6.6
5.002		S5028	24	94.020	0.003	0.000	0.11		19.0
1.014		S5029	24	94.019	0.049	0.000	0.32		84.1
1.015		S5030	24	94.018	0.091	0.000	0.34		84.3
1.016		S8121	24	94.017	0.130	0.000	0.38		87.0
1.017	S5036 - Headwall	23	94.017	-0.308	0.000	0.09			91.9
7.000		S8135	49	96.244	-0.372	0.000	0.05		7.0
7.001		S8136	49	96.197	-0.346	0.000	0.09		13.1
7.002		S8137	49	96.143	-0.331	0.000	0.14		18.8
7.003		S8161	49	96.084	-0.330	0.000	0.15		20.6
8.000		S8151	49	96.210	-0.247	0.000	0.07		5.3
7.004		S8162	49	96.006	-0.333	0.000	0.15		30.2
7.005		S8152	48	95.801	-0.399	0.000	0.13		33.7
9.000		S8144	49	96.281	-0.269	0.000	0.02		1.9
9.001		S8145	49	96.038	-0.337	0.000	0.02		4.6
7.006		S8146	48	95.684	-0.406	0.000	0.12		40.9
10.000		S8165	49	95.559	-0.436	0.000	0.01		1.1
10.001		S8164	48	95.470	-0.441	0.000	0.02		2.8
7.007		S8147	48	95.468	-0.412	0.000	0.11		46.8
7.008		S8150	48	95.161	-0.384	0.000	0.16		47.3
7.009		S8149	48	95.030	-0.336	0.000	0.28		53.0
11.000		S5037	49	95.181	-0.199	0.000	0.03		1.2
11.001		S5038	49	94.974	-0.259	0.000	0.04		2.7
11.002		S5039	48	94.916	-0.240	0.000	0.05		2.9
12.000		S5040	49	95.210	-0.173	0.000	0.12		4.7
7.010		S5041	48	94.899	-0.404	0.000	0.12		62.1
7.011		S5042	48	94.445	-0.410	0.000	0.11		64.1
7.012		S5047	24	94.020	0.000	0.000	0.22		67.7
7.013		S8167	24	94.018	0.163	0.000	0.24		67.4
7.014	S5048 - Headwall	24	94.017	0.142	0.000	0.26			67.3
1.018	S5049 - Headwall	22	94.017	0.067	0.000	0.30			153.3
1.019	S5050 Control Chamber	7	94.016	0.566	0.000	0.13			12.3

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	SURCHARGED
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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Summary Wizard of 1440 minute 100 year Summer I+40% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 15 minute 1 year Winter I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	18 96.806	-0.309	0.000	0.07		13.1	OK
2.000		S8133	18 97.461	-0.249	0.000	0.07		10.2	OK
1.001		S8134	19 96.232	-0.318	0.000	0.19		34.1	OK
1.002		S8141	19 96.057	-0.388	0.000	0.15		46.7	OK
1.003		S8139	19 95.855	-0.400	0.000	0.13		49.0	OK
1.004		S8140	19 95.472	-0.373	0.000	0.18		65.4	OK
1.005		S4008	19 95.355	-0.271	0.000	0.47		76.5	OK
1.006		S4011	19 95.214	-0.375	0.000	0.18		77.8	OK
1.007		S4012	20 94.753	-0.332	0.000	0.29		91.3	OK
3.000		S8157	18 95.978	-0.327	0.000	0.04		9.8	OK
3.001		S8159	19 95.125	-0.355	0.000	0.10		20.4	OK
3.002		S8154	19 94.942	-0.398	0.000	0.13		37.9	OK
3.003		S8155	19 94.758	-0.407	0.000	0.11		49.9	OK
1.008		S5015	21 94.591	-0.254	0.000	0.52		148.6	OK
1.009		S5016	23 94.487	-0.218	0.000	0.38		140.3	OK
1.010	S5017 - PH4 Connection	23 94.449	-0.026	0.000	0.70			144.5	OK
4.000		S5018	18 95.145	-0.259	0.000	0.04		9.2	OK
1.011		S5019	23 94.405	0.000	0.000	0.94		148.4	OK
1.012	S5020 PH5 Connection	22 94.365	0.000	0.000	1.11			148.4	OK
1.013		S5021	34 93.938	-0.392	0.000	0.26		153.4	OK

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status	
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)		
5.000	S5036 - Headwall	18	94.164	-0.356	0.000	0.10		24.6	OK	
5.001		36	93.835	-0.325	0.000	0.17		38.0	OK	
6.000		18	94.353	-0.239	0.000	0.09		9.7	OK	
6.001		34	93.865	-0.270	0.000	0.17		22.4	OK	
5.002		36	93.810	-0.207	0.000	0.36		61.0	OK	
1.014		36	93.804	-0.166	0.000	0.71		187.3	OK	
1.015		36	93.755	-0.172	0.000	0.73		182.9	OK	
1.016		S8121	36	93.703	-0.184	0.000	0.80		183.1	OK
1.017		S8135	36	93.687	-0.638	0.000	0.19		181.5	OK
7.000		S8136	19	96.330	-0.285	0.000	0.18		25.5	OK
7.001		S8137	19	96.295	-0.248	0.000	0.31		42.6	OK
7.002		S8161	20	96.245	-0.229	0.000	0.43		58.6	OK
7.003		S8151	20	96.185	-0.229	0.000	0.45		62.6	OK
8.000		S8151	18	96.263	-0.194	0.000	0.27		19.5	OK
7.004		S8162	21	96.103	-0.237	0.000	0.45		89.2	OK
7.005		S8152	21	95.902	-0.298	0.000	0.39		98.7	OK
9.000		S8144	18	96.309	-0.241	0.000	0.08		6.8	OK
9.001		S8145	19	96.068	-0.307	0.000	0.07		15.4	OK
7.006		S8146	21	95.776	-0.314	0.000	0.34		118.6	OK
0.000		S8165	20	95.596	-0.399	0.000	0.02		4.1	OK
0.001		S8164	21	95.554	-0.357	0.000	0.05		8.3	OK
7.007		S8147	21	95.553	-0.327	0.000	0.30		134.5	OK
7.008		S8150	22	95.286	-0.259	0.000	0.46		135.1	OK
7.009		S8149	22	95.194	-0.171	0.000	0.78		146.8	OK
1.000		S5037	18	95.207	-0.173	0.000	0.12		4.5	OK
1.001	S5038	23	95.018	-0.215	0.000	0.15		9.2	OK	
1.002	S5039	23	94.991	-0.164	0.000	0.14		8.5	OK	
2.000	S5040	18	95.264	-0.118	0.000	0.44		16.9	OK	
7.010	S5041	23	94.984	-0.319	0.000	0.33		167.8	OK	
7.011	S5042	23	94.524	-0.331	0.000	0.29		172.0	OK	
7.012	S5047	34	93.782	-0.238	0.000	0.58		180.0	OK	
7.013	S8167	35	93.726	-0.130	0.000	0.64		177.0	OK	
7.014	S5048 - Headwall	36	93.702	-0.173	0.000	0.67		171.1	OK	
1.018	S5049 - Headwall	42	93.643	-0.307	0.000	0.65		328.1	OK	
1.019	S5050 Control Chamber	71	93.248	-0.202	0.000	0.05		5.1	OK	

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Summary Wizard of 30 minute 1 year Winter I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142 24	96.797	-0.318	0.000	0.06		10.3	OK
2.000		S8133 24	97.454	-0.256	0.000	0.05		8.0	OK
1.001		S8134 26	96.216	-0.334	0.000	0.15		27.3	OK
1.002		S8141 26	96.043	-0.402	0.000	0.12		38.1	OK
1.003		S8139 26	95.843	-0.412	0.000	0.10		40.4	OK
1.004		S8140 26	95.457	-0.388	0.000	0.15		54.8	OK
1.005		S4008 26	95.331	-0.295	0.000	0.40		64.8	OK
1.006		S4011 26	95.201	-0.388	0.000	0.15		66.7	OK
1.007		S4012 26	94.738	-0.347	0.000	0.25		78.7	OK
3.000		S8157 24	95.973	-0.332	0.000	0.03		7.6	OK
3.001		S8159 26	95.114	-0.366	0.000	0.08		16.8	OK
3.002		S8154 26	94.931	-0.409	0.000	0.11		31.4	OK
3.003		S8155 26	94.749	-0.416	0.000	0.10		41.7	OK
1.008		S5015 26	94.570	-0.275	0.000	0.46		129.6	OK
1.009		S5016 26	94.430	-0.275	0.000	0.34		126.5	OK
1.010	S5017 - PH4 Connection	26	94.399	-0.076	0.000	0.64		132.1	OK
4.000		S5018 24	95.140	-0.264	0.000	0.03		7.1	OK
1.011		S5019 26	94.364	-0.041	0.000	0.84		133.3	OK
1.012	S5020 PH5 Connection	26	94.327	-0.038	0.000	1.00		133.3	OK
1.013		S5021 36	93.926	-0.404	0.000	0.23		139.7	OK

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Summary Wizard of 30 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
			Level (m)	Depth (m)	Volume (m³)				
5.000		S5023	24 94.151	-0.369	0.000	0.08		19.4	OK
5.001		S5025	38 93.827	-0.333	0.000	0.14		30.4	OK
6.000		S5026	24 94.344	-0.248	0.000	0.07		7.7	OK
6.001		S5027	39 93.853	-0.282	0.000	0.14		18.3	OK
5.002		S5028	37 93.809	-0.207	0.000	0.29		49.5	OK
1.014		S5029	37 93.801	-0.169	0.000	0.69		183.0	OK
1.015		S5030	37 93.753	-0.174	0.000	0.72		179.8	OK
1.016		S8121	37 93.702	-0.185	0.000	0.79		182.3	OK
1.017	S5036 - Headwall	37 93.687	-0.638	0.000	0.19			184.0	OK
7.000		S8135	26 96.311	-0.304	0.000	0.14		20.1	OK
7.001		S8136	26 96.275	-0.268	0.000	0.26		35.5	OK
7.002		S8137	26 96.226	-0.248	0.000	0.37		49.8	OK
7.003		S8161	26 96.166	-0.248	0.000	0.38		53.7	OK
8.000		S8151	24 96.249	-0.208	0.000	0.21		15.3	OK
7.004		S8162	26 96.086	-0.254	0.000	0.40		78.0	OK
7.005		S8152	26 95.886	-0.314	0.000	0.34		86.3	OK
9.000		S8144	24 96.300	-0.250	0.000	0.07		5.4	OK
9.001		S8145	26 96.060	-0.315	0.000	0.06		12.6	OK
7.006		S8146	26 95.760	-0.330	0.000	0.30		104.7	OK
10.000		S8165	26 95.590	-0.405	0.000	0.02		3.2	OK
10.001		S8164	26 95.541	-0.370	0.000	0.04		7.2	OK
7.007		S8147	26 95.539	-0.341	0.000	0.27		118.9	OK
7.008		S8150	26 95.264	-0.281	0.000	0.41		120.0	OK
7.009		S8149	25 95.167	-0.198	0.000	0.70		131.8	OK
11.000		S5037	24 95.201	-0.179	0.000	0.09		3.5	OK
11.001		S5038	26 95.011	-0.222	0.000	0.12		7.5	OK
11.002		S5039	25 94.980	-0.176	0.000	0.12		7.2	OK
12.000		S5040	24 95.250	-0.133	0.000	0.34		13.2	OK
7.010		S5041	25 94.973	-0.330	0.000	0.30		152.0	OK
7.011		S5042	25 94.514	-0.341	0.000	0.27		156.2	OK
7.012		S5047	36 93.767	-0.253	0.000	0.53		164.3	OK
7.013		S8167	37 93.720	-0.136	0.000	0.59		162.7	OK
7.014	S5048 - Headwall	37 93.698	-0.177	0.000	0.62			158.7	OK
1.018	S5049 - Headwall	43 93.641	-0.309	0.000	0.65			326.8	OK
1.019	S5050 Control Chamber	69 93.276	-0.174	0.000	0.08			7.3	OK

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Summary Wizard of 60 minute 1 year Winter I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142 33	96.786	-0.329	0.000	0.04		6.8	OK
2.000		S8133 33	97.446	-0.264	0.000	0.03		5.3	OK
1.001		S8134 33	96.195	-0.355	0.000	0.10		18.5	OK
1.002		S8141 33	96.023	-0.422	0.000	0.09		26.1	OK
1.003		S8139 33	95.823	-0.432	0.000	0.07		27.9	OK
1.004		S8140 33	95.434	-0.411	0.000	0.11		38.4	OK
1.005		S4008 33	95.290	-0.336	0.000	0.28		45.4	OK
1.006		S4011 33	95.179	-0.410	0.000	0.11		46.7	OK
1.007		S4012 33	94.709	-0.376	0.000	0.18		56.2	OK
3.000		S8157 33	95.966	-0.339	0.000	0.02		5.0	OK
3.001		S8159 33	95.097	-0.383	0.000	0.05		11.5	OK
3.002		S8154 33	94.910	-0.430	0.000	0.08		21.9	OK
3.003		S8155 33	94.728	-0.437	0.000	0.07		29.1	OK
1.008		S5015 33	94.527	-0.318	0.000	0.33		93.1	OK
1.009		S5016 33	94.359	-0.346	0.000	0.25		93.3	OK
1.010	S5017 - PH4 Connection	33	94.279	-0.196	0.000	0.49		100.2	OK
4.000		S5018 33	95.135	-0.269	0.000	0.02		4.7	OK
1.011		S5019 33	94.240	-0.165	0.000	0.66		105.1	OK
1.012	S5020 PH5 Connection	33	94.202	-0.163	0.000	0.81		108.5	OK
1.013		S5021 41	93.906	-0.424	0.000	0.19		113.7	OK

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Summary Wizard of 60 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
			Level (m)	Depth (m)	Volume (m³)				
5.000		S5023	33 94.135	-0.385	0.000	0.05		12.8	OK
5.001		S5025	42 93.802	-0.358	0.000	0.09		20.7	OK
6.000		S5026	33 94.334	-0.258	0.000	0.05		5.1	OK
6.001		S5027	41 93.838	-0.297	0.000	0.10		12.6	OK
5.002		S5028	42 93.759	-0.257	0.000	0.20		34.7	OK
1.014		S5029	41 93.751	-0.219	0.000	0.56		148.4	OK
1.015		S5030	42 93.704	-0.223	0.000	0.59		147.2	OK
1.016		S8121	47 93.657	-0.230	0.000	0.66		151.4	OK
1.017	S5036 - Headwall	48 93.641	-0.684	0.000	0.16			156.3	OK
7.000		S8135	33 96.280	-0.335	0.000	0.10		13.4	OK
7.001		S8136	33 96.241	-0.302	0.000	0.18		24.7	OK
7.002		S8137	33 96.191	-0.283	0.000	0.26		34.9	OK
7.003		S8161	33 96.132	-0.282	0.000	0.27		38.3	OK
8.000		S8151	33 96.231	-0.226	0.000	0.14		10.1	OK
7.004		S8162	33 96.053	-0.287	0.000	0.28		55.8	OK
7.005		S8152	33 95.851	-0.349	0.000	0.24		62.1	OK
9.000		S8144	33 96.290	-0.260	0.000	0.04		3.6	OK
9.001		S8145	33 96.049	-0.326	0.000	0.04		8.6	OK
7.006		S8146	33 95.730	-0.360	0.000	0.21		75.4	OK
10.000		S8165	33 95.574	-0.421	0.000	0.01		2.1	OK
10.001		S8164	33 95.513	-0.398	0.000	0.03		5.1	OK
7.007		S8147	33 95.511	-0.369	0.000	0.19		86.0	OK
7.008		S8150	33 95.217	-0.328	0.000	0.30		87.0	OK
7.009		S8149	33 95.108	-0.257	0.000	0.51		96.3	OK
11.000		S5037	33 95.191	-0.188	0.000	0.06		2.3	OK
11.001		S5038	33 94.996	-0.237	0.000	0.08		5.2	OK
11.002		S5039	33 94.952	-0.203	0.000	0.09		5.3	OK
12.000		S5040	33 95.231	-0.152	0.000	0.23		8.9	OK
7.010		S5041	33 94.944	-0.359	0.000	0.22		112.3	OK
7.011		S5042	33 94.488	-0.367	0.000	0.20		115.5	OK
7.012		S5047	41 93.724	-0.296	0.000	0.39		121.9	OK
7.013		S8167	47 93.659	-0.196	0.000	0.44		121.5	OK
7.014	S5048 - Headwall	48 93.642	-0.233	0.000	0.47			120.2	OK
1.018	S5049 - Headwall	54 93.592	-0.358	0.000	0.54			270.6	OK
1.019	S5050 Control Chamber	67 93.306	-0.144	0.000	0.10			9.1	OK

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Summary Wizard of 120 minute 1 year Winter I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142 45	96.779	-0.336	0.000	0.02		4.3	OK
2.000		S8133 45	97.440	-0.270	0.000	0.02		3.4	OK
1.001		S8134 45	96.174	-0.376	0.000	0.06		11.8	OK
1.002		S8141 45	95.998	-0.447	0.000	0.05		16.6	OK
1.003		S8139 45	95.802	-0.453	0.000	0.05		17.7	OK
1.004		S8140 45	95.409	-0.436	0.000	0.07		24.4	OK
1.005		S4008 45	95.250	-0.376	0.000	0.18		29.0	OK
1.006		S4011 44	95.154	-0.435	0.000	0.07		29.9	OK
1.007		S4012 44	94.678	-0.407	0.000	0.11		35.8	OK
3.000		S8157 45	95.953	-0.352	0.000	0.01		3.2	OK
3.001		S8159 45	95.084	-0.396	0.000	0.03		7.3	OK
3.002		S8154 45	94.889	-0.451	0.000	0.05		13.9	OK
3.003		S8155 45	94.710	-0.455	0.000	0.04		18.6	OK
1.008		S5015 44	94.484	-0.361	0.000	0.21		59.6	OK
1.009		S5016 44	94.321	-0.384	0.000	0.16		59.4	OK
1.010	S5017 - PH4 Connection	44	94.194	-0.281	0.000	0.31		64.7	OK
4.000		S5018 45	95.125	-0.279	0.000	0.01		3.0	OK
1.011		S5019 44	94.151	-0.254	0.000	0.43		68.8	OK
1.012	S5020 PH5 Connection	46	94.113	-0.252	0.000	0.53		71.1	OK
1.013		S5021 47	93.870	-0.460	0.000	0.12		74.7	OK

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Summary Wizard of 180 minute 1 year Winter I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

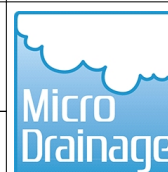
Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	52 96.771	-0.344	0.000	0.02		3.3	OK
2.000		S8133	52 97.434	-0.276	0.000	0.02		2.6	OK
1.001		S8134	52 96.164	-0.386	0.000	0.05		8.9	OK
1.002		S8141	52 95.988	-0.457	0.000	0.04		12.6	OK
1.003		S8139	52 95.793	-0.462	0.000	0.03		13.5	OK
1.004		S8140	52 95.396	-0.449	0.000	0.05		18.6	OK
1.005		S4008	52 95.229	-0.397	0.000	0.14		22.1	OK
1.006		S4011	52 95.141	-0.448	0.000	0.05		22.9	OK
1.007		S4012	52 94.664	-0.421	0.000	0.09		27.5	OK
3.000		S8157	52 95.947	-0.358	0.000	0.01		2.4	OK
3.001		S8159	52 95.078	-0.402	0.000	0.03		5.5	OK
3.002		S8154	52 94.880	-0.460	0.000	0.04		10.6	OK
3.003		S8155	52 94.701	-0.464	0.000	0.03		14.1	OK
1.008		S5015	52 94.460	-0.385	0.000	0.16		45.6	OK
1.009		S5016	52 94.302	-0.403	0.000	0.12		45.6	OK
1.010	S5017 - PH4 Connection	52 94.156	-0.319	0.000	0.24			49.5	OK
4.000		S5018	52 95.120	-0.284	0.000	0.01		2.3	OK
1.011		S5019	53 94.111	-0.294	0.000	0.33		52.5	OK
1.012	S5020 PH5 Connection	53 94.072	-0.293	0.000	0.41			54.2	OK
1.013		S5021	53 93.854	-0.476	0.000	0.09		57.1	OK

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
5.000		S5023	53	94.117	-0.403	0.000	0.02	6.2	OK
5.001		S5025	53	93.771	-0.389	0.000	0.04	10.0	OK
5.000		S5026	52	94.323	-0.269	0.000	0.02	2.4	OK
5.001		S5027	53	93.812	-0.323	0.000	0.05	6.1	OK
5.002		S5028	57	93.637	-0.380	0.000	0.10	17.6	OK
1.014		S5029	58	93.613	-0.357	0.000	0.29	76.7	OK
1.015		S5030	59	93.574	-0.353	0.000	0.31	77.2	OK
1.016		S8121	59	93.534	-0.353	0.000	0.35	79.9	OK
1.017	S5036 - Headwall	59	93.520	-0.805	0.000	0.09		84.3	OK
7.000		S8135	52	96.239	-0.376	0.000	0.05	6.5	OK
7.001		S8136	52	96.192	-0.351	0.000	0.09	12.0	OK
7.002		S8137	52	96.137	-0.337	0.000	0.13	17.2	OK
7.003		S8161	52	96.078	-0.336	0.000	0.13	18.8	OK
8.000		S8151	52	96.207	-0.250	0.000	0.07	4.9	OK
7.004		S8162	52	96.000	-0.339	0.000	0.14	27.5	OK
7.005		S8152	52	95.796	-0.404	0.000	0.12	30.7	OK
9.000		S8144	52	96.280	-0.270	0.000	0.02	1.7	OK
9.001		S8145	52	96.036	-0.339	0.000	0.02	4.2	OK
7.006		S8146	52	95.679	-0.411	0.000	0.11	37.3	OK
0.000		S8165	52	95.558	-0.437	0.000	0.01	1.0	OK
0.001		S8164	52	95.466	-0.445	0.000	0.01	2.5	OK
7.007		S8147	52	95.464	-0.416	0.000	0.10	42.6	OK
7.008		S8150	52	95.154	-0.391	0.000	0.15	43.0	OK
7.009		S8149	52	95.020	-0.345	0.000	0.26	48.1	OK
1.000		S5037	52	95.180	-0.200	0.000	0.03	1.1	OK
1.001		S5038	52	94.972	-0.261	0.000	0.04	2.5	OK
1.002		S5039	52	94.911	-0.244	0.000	0.04	2.7	OK
2.000		S5040	52	95.208	-0.175	0.000	0.11	4.3	OK
7.010		S5041	52	94.893	-0.410	0.000	0.11	56.3	OK
7.011		S5042	52	94.440	-0.415	0.000	0.10	58.1	OK
7.012		S5047	57	93.653	-0.367	0.000	0.20	61.5	OK
7.013		S8167	59	93.529	-0.326	0.000	0.22	61.5	OK
7.014	S5048 - Headwall	59	93.516	-0.359	0.000	0.24		61.3	OK
1.018	S5049 - Headwall	59	93.474	-0.476	0.000	0.29		144.8	OK
1.019	S5050 Control Chamber	61	93.352	-0.098	0.000	0.11		10.3	OK

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Summary Wizard of 240 minute 1 year Winter I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	56 96.765	-0.350	0.000	0.01		2.7	OK
2.000		S8133	56 97.429	-0.281	0.000	0.01		2.1	OK
1.001		S8134	56 96.158	-0.392	0.000	0.04		7.3	OK
1.002		S8141	56 95.982	-0.463	0.000	0.03		10.3	OK
1.003		S8139	56 95.788	-0.467	0.000	0.03		11.0	OK
1.004		S8140	56 95.389	-0.456	0.000	0.04		15.2	OK
1.005		S4008	56 95.217	-0.409	0.000	0.11		18.1	OK
1.006		S4011	56 95.134	-0.455	0.000	0.04		18.6	OK
1.007		S4012	56 94.651	-0.434	0.000	0.07		22.4	OK
3.000		S8157	56 95.944	-0.361	0.000	0.01		2.0	OK
3.001		S8159	56 95.075	-0.405	0.000	0.02		4.5	OK
3.002		S8154	56 94.875	-0.465	0.000	0.03		8.7	OK
3.003		S8155	56 94.697	-0.468	0.000	0.03		11.6	OK
1.008		S5015	56 94.446	-0.399	0.000	0.13		37.2	OK
1.009		S5016	56 94.291	-0.414	0.000	0.10		37.2	OK
1.010	S5017 - PH4 Connection	57 94.133	-0.342	0.000	0.20			40.6	OK
4.000		S5018	56 95.117	-0.287	0.000	0.01		1.8	OK
1.011		S5019	57 94.086	-0.319	0.000	0.27		43.1	OK
1.012	S5020 PH5 Connection	57 94.048	-0.317	0.000	0.33			44.5	OK
1.013		S5021	57 93.841	-0.489	0.000	0.08		46.8	OK

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Drainage

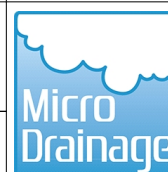
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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
5.000		S5023	57	94.112	-0.408	0.000	0.02	5.0	OK
5.001		S5025	57	93.765	-0.395	0.000	0.04	8.2	OK
5.000		S5026	56	94.318	-0.274	0.000	0.02	2.0	OK
5.001		S5027	57	93.807	-0.328	0.000	0.04	5.0	OK
5.002		S5028	60	93.613	-0.403	0.000	0.08	14.4	OK
1.014		S5029	60	93.582	-0.389	0.000	0.24	63.2	OK
1.015		S5030	60	93.543	-0.384	0.000	0.25	63.6	OK
1.016		S8121	60	93.505	-0.382	0.000	0.29	65.9	OK
1.017	S5036 - Headwall	60	93.491	-0.834	0.000	0.07		69.7	OK
7.000		S8135	56	96.231	-0.384	0.000	0.04	5.3	OK
7.001		S8136	56	96.183	-0.360	0.000	0.07	9.8	OK
7.002		S8137	56	96.126	-0.347	0.000	0.10	14.0	OK
7.003		S8161	56	96.067	-0.346	0.000	0.11	15.3	OK
8.000		S8151	56	96.202	-0.255	0.000	0.05	4.0	OK
7.004		S8162	56	95.990	-0.349	0.000	0.11	22.5	OK
7.005		S8152	56	95.785	-0.415	0.000	0.10	25.1	OK
9.000		S8144	56	96.274	-0.276	0.000	0.02	1.4	OK
9.001		S8145	56	96.030	-0.345	0.000	0.02	3.4	OK
7.006		S8146	56	95.669	-0.421	0.000	0.09	30.5	OK
0.000		S8165	56	95.556	-0.439	0.000	0.01	0.8	OK
0.001		S8164	56	95.455	-0.456	0.000	0.01	2.1	OK
7.007		S8147	56	95.452	-0.428	0.000	0.08	34.8	OK
7.008		S8150	56	95.141	-0.404	0.000	0.12	35.3	OK
7.009		S8149	56	95.003	-0.362	0.000	0.21	39.5	OK
1.000		S5037	56	95.178	-0.201	0.000	0.02	0.9	OK
1.001		S5038	56	94.969	-0.265	0.000	0.03	2.0	OK
1.002		S5039	56	94.904	-0.252	0.000	0.04	2.2	OK
2.000		S5040	56	95.203	-0.179	0.000	0.09	3.5	OK
7.010		S5041	56	94.884	-0.419	0.000	0.09	46.2	OK
7.011		S5042	56	94.429	-0.426	0.000	0.08	47.7	OK
7.012		S5047	60	93.636	-0.384	0.000	0.16	50.5	OK
7.013		S8167	60	93.502	-0.353	0.000	0.18	50.5	OK
7.014	S5048 - Headwall	60	93.487	-0.388	0.000	0.20		50.4	OK
1.018	S5049 - Headwall	60	93.447	-0.503	0.000	0.24		119.8	OK
1.019	S5050 Control Chamber	56	93.363	-0.087	0.000	0.11		10.5	OK

Dean Court
85 Adllington Road
Wilmslow SK9 1BT

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Date 07/02/2024 11:01
File STORM PHASE 4 -
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Network 2017.1.1

Summary Wizard of 360 minute 1 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Overflow		Pipe Flow (l/s)	Status
						Flow Cap.	(l/s)		
5.000		S5023	62	94.101	-0.419	0.000	0.01	3.8	OK
5.001		S5025	62	93.759	-0.401	0.000	0.03	6.1	OK
6.000		S5026	62	94.311	-0.280	0.000	0.01	1.5	OK
6.001		S5027	62	93.802	-0.333	0.000	0.03	3.7	OK
5.002		S5028	63	93.588	-0.429	0.000	0.06	10.8	OK
1.014		S5029	63	93.541	-0.429	0.000	0.18	47.3	OK
1.015		S5030	63	93.503	-0.424	0.000	0.19	47.8	OK
1.016		S8121	63	93.467	-0.420	0.000	0.22	49.6	OK
1.017	S5036 -	Headwall	63	93.455	-0.870	0.000	0.05	52.4	OK
7.000		S8135	62	96.221	-0.394	0.000	0.03	3.9	OK
7.001		S8136	62	96.169	-0.374	0.000	0.05	7.3	OK
7.002		S8137	62	96.114	-0.360	0.000	0.08	10.5	OK
7.003		S8161	62	96.055	-0.359	0.000	0.08	11.5	OK
8.000		S8151	62	96.196	-0.261	0.000	0.04	3.0	OK
7.004		S8162	62	95.977	-0.362	0.000	0.09	16.9	OK
7.005		S8152	62	95.769	-0.431	0.000	0.07	18.8	OK
9.000		S8144	62	96.268	-0.282	0.000	0.01	1.0	OK
9.001		S8145	62	96.022	-0.353	0.000	0.01	2.5	OK
7.006		S8146	62	95.652	-0.438	0.000	0.07	22.9	OK
10.000		S8165	62	95.553	-0.442	0.000	0.00	0.6	OK
10.001		S8164	62	95.441	-0.470	0.000	0.01	1.6	OK
7.007		S8147	62	95.437	-0.443	0.000	0.06	26.1	OK
7.008		S8150	62	95.126	-0.419	0.000	0.09	26.4	OK
7.009		S8149	62	94.979	-0.386	0.000	0.16	29.6	OK
11.000		S5037	62	95.174	-0.206	0.000	0.02	0.7	OK
11.001		S5038	62	94.965	-0.268	0.000	0.02	1.5	OK
11.002		S5039	62	94.894	-0.262	0.000	0.03	1.6	OK
12.000		S5040	62	95.196	-0.187	0.000	0.07	2.6	OK
7.010		S5041	62	94.867	-0.436	0.000	0.07	34.6	OK
7.011		S5042	62	94.414	-0.441	0.000	0.06	35.7	OK
7.012		S5047	63	93.616	-0.404	0.000	0.12	37.8	OK
7.013		S8167	63	93.469	-0.387	0.000	0.14	37.8	OK
7.014	S5048 -	Headwall	63	93.450	-0.425	0.000	0.15	37.8	OK
1.018	S5049 -	Headwall	63	93.413	-0.537	0.000	0.18	89.8	OK
1.019	S5050	Control Chamber	53	93.376	-0.074	0.000	0.11	10.6	OK

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Summary Wizard of 480 minute 1 year Winter I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142 64	96.755	-0.360	0.000	0.01		1.6	OK
2.000		S8133 64	97.422	-0.288	0.000	0.01		1.3	OK
1.001		S8134 64	96.147	-0.403	0.000	0.02		4.4	OK
1.002		S8141 64	95.971	-0.474	0.000	0.02		6.2	OK
1.003		S8139 64	95.773	-0.482	0.000	0.02		6.7	OK
1.004		S8140 64	95.376	-0.469	0.000	0.03		9.2	OK
1.005		S4008 64	95.190	-0.436	0.000	0.07		10.9	OK
1.006		S4011 64	95.120	-0.469	0.000	0.03		11.3	OK
1.007		S4012 64	94.630	-0.455	0.000	0.04		13.6	OK
3.000		S8157 64	95.938	-0.367	0.000	0.00		1.2	OK
3.001		S8159 64	95.058	-0.422	0.000	0.01		2.7	OK
3.002		S8154 64	94.860	-0.480	0.000	0.02		5.2	OK
3.003		S8155 64	94.680	-0.485	0.000	0.02		7.0	OK
1.008		S5015 64	94.418	-0.427	0.000	0.08		22.6	OK
1.009		S5016 64	94.264	-0.441	0.000	0.06		22.6	OK
1.010	S5017 - PH4 Connection	64	94.088	-0.387	0.000	0.12		24.6	OK
4.000		S5018 64	95.112	-0.292	0.000	0.01		1.1	OK
1.011		S5019 64	94.038	-0.367	0.000	0.16		26.1	OK
1.012	S5020 PH5 Connection	64	94.000	-0.365	0.000	0.20		26.9	OK
1.013		S5021 64	93.813	-0.517	0.000	0.05		28.4	OK

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
5.000		S5023	64	94.095	-0.425	0.000	0.01	3.0	OK
5.001		S5025	64	93.756	-0.404	0.000	0.02	4.9	OK
5.000		S5026	64	94.308	-0.284	0.000	0.01	1.2	OK
5.001		S5027	64	93.799	-0.336	0.000	0.02	3.0	OK
5.002		S5028	65	93.572	-0.444	0.000	0.05	8.8	OK
1.014		S5029	65	93.516	-0.454	0.000	0.15	38.3	OK
1.015		S5030	65	93.479	-0.448	0.000	0.15	38.6	OK
1.016		S8121	65	93.444	-0.443	0.000	0.17	40.2	OK
1.017	S5036 - Headwall	65	93.432	-0.893	0.000	0.04		42.6	OK
7.000		S8135	64	96.216	-0.400	0.000	0.02	3.2	OK
7.001		S8136	64	96.159	-0.383	0.000	0.04	5.9	OK
7.002		S8137	64	96.103	-0.371	0.000	0.06	8.5	OK
7.003		S8161	64	96.044	-0.370	0.000	0.07	9.3	OK
8.000		S8151	64	96.192	-0.265	0.000	0.03	2.4	OK
7.004		S8162	64	95.966	-0.373	0.000	0.07	13.7	OK
7.005		S8152	64	95.758	-0.442	0.000	0.06	15.2	OK
9.000		S8144	64	96.265	-0.285	0.000	0.01	0.8	OK
9.001		S8145	64	96.018	-0.357	0.000	0.01	2.1	OK
7.006		S8146	64	95.642	-0.448	0.000	0.05	18.5	OK
0.000		S8165	64	95.551	-0.444	0.000	0.00	0.5	OK
0.001		S8164	64	95.433	-0.478	0.000	0.01	1.3	OK
7.007		S8147	64	95.428	-0.452	0.000	0.05	21.2	OK
7.008		S8150	64	95.113	-0.432	0.000	0.07	21.4	OK
7.009		S8149	64	94.965	-0.401	0.000	0.13	24.0	OK
1.000		S5037	64	95.170	-0.209	0.000	0.01	0.5	OK
1.001		S5038	64	94.962	-0.272	0.000	0.02	1.2	OK
1.002		S5039	64	94.889	-0.266	0.000	0.02	1.3	OK
2.000		S5040	64	95.191	-0.191	0.000	0.05	2.1	OK
7.010		S5041	64	94.857	-0.446	0.000	0.05	28.1	OK
7.011		S5042	64	94.405	-0.450	0.000	0.05	29.0	OK
7.012		S5047	65	93.605	-0.415	0.000	0.10	30.7	OK
7.013		S8167	65	93.449	-0.407	0.000	0.11	30.6	OK
7.014	S5048 - Headwall	65	93.425	-0.450	0.000	0.12		30.6	OK
1.018	S5049 - Headwall	66	93.389	-0.561	0.000	0.15		73.2	OK
1.019	S5050 Control Chamber	52	93.382	-0.068	0.000	0.11		10.7	OK

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Summary Wizard of 600 minute 1 year Winter I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

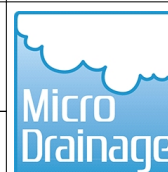
Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	67 96.753	-0.362	0.000	0.01		1.4	OK
2.000		S8133	67 97.420	-0.290	0.000	0.01		1.1	OK
1.001		S8134	67 96.144	-0.406	0.000	0.02		3.7	OK
1.002		S8141	67 95.963	-0.482	0.000	0.02		5.3	OK
1.003		S8139	67 95.766	-0.489	0.000	0.01		5.7	OK
1.004		S8140	67 95.373	-0.472	0.000	0.02		7.8	OK
1.005		S4008	67 95.182	-0.444	0.000	0.06		9.3	OK
1.006		S4011	67 95.117	-0.472	0.000	0.02		9.6	OK
1.007		S4012	67 94.624	-0.461	0.000	0.04		11.5	OK
3.000		S8157	67 95.937	-0.368	0.000	0.00		1.0	OK
3.001		S8159	67 95.053	-0.427	0.000	0.01		2.3	OK
3.002		S8154	67 94.853	-0.487	0.000	0.02		4.4	OK
3.003		S8155	67 94.674	-0.491	0.000	0.01		5.9	OK
1.008		S5015	67 94.409	-0.436	0.000	0.07		19.2	OK
1.009		S5016	67 94.257	-0.448	0.000	0.05		19.2	OK
1.010	S5017 - PH4 Connection	67 94.075	-0.400	0.000	0.10			20.9	OK
4.000		S5018	67 95.111	-0.293	0.000	0.00		0.9	OK
1.011		S5019	67 94.024	-0.381	0.000	0.14		22.2	OK
1.012	S5020 PH5 Connection	67 93.985	-0.380	0.000	0.17			22.9	OK
1.013		S5021	67 93.807	-0.523	0.000	0.04		24.1	OK

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
5.000		S5023	67	94.091	-0.429	0.000	0.01	2.6	OK
5.001		S5025	67	93.750	-0.410	0.000	0.02	4.2	OK
5.000		S5026	67	94.305	-0.287	0.000	0.01	1.0	OK
5.001		S5027	67	93.795	-0.340	0.000	0.02	2.5	OK
5.002		S5028	67	93.563	-0.454	0.000	0.04	7.4	OK
1.014		S5029	67	93.498	-0.472	0.000	0.12	32.6	OK
1.015		S5030	67	93.461	-0.466	0.000	0.13	32.8	OK
1.016		S8121	67	93.426	-0.461	0.000	0.15	34.1	OK
1.017	S5036 - Headwall	67	93.415	-0.910	0.000	0.04		36.1	OK
7.000		S8135	67	96.212	-0.403	0.000	0.02	2.7	OK
7.001		S8136	67	96.154	-0.389	0.000	0.04	5.0	OK
7.002		S8137	67	96.095	-0.379	0.000	0.05	7.2	OK
7.003		S8161	67	96.036	-0.378	0.000	0.06	7.9	OK
8.000		S8151	67	96.190	-0.267	0.000	0.03	2.0	OK
7.004		S8162	67	95.959	-0.380	0.000	0.06	11.6	OK
7.005		S8152	67	95.751	-0.449	0.000	0.05	12.9	OK
9.000		S8144	67	96.262	-0.288	0.000	0.01	0.7	OK
9.001		S8145	67	96.015	-0.360	0.000	0.01	1.7	OK
7.006		S8146	67	95.636	-0.454	0.000	0.04	15.7	OK
0.000		S8165	67	95.550	-0.445	0.000	0.00	0.4	OK
0.001		S8164	67	95.427	-0.484	0.000	0.01	1.1	OK
7.007		S8147	67	95.423	-0.457	0.000	0.04	17.9	OK
7.008		S8150	67	95.105	-0.440	0.000	0.06	18.2	OK
7.009		S8149	67	94.955	-0.410	0.000	0.11	20.4	OK
1.000		S5037	67	95.168	-0.212	0.000	0.01	0.5	OK
1.001		S5038	67	94.957	-0.276	0.000	0.02	1.0	OK
1.002		S5039	67	94.887	-0.269	0.000	0.02	1.1	OK
2.000		S5040	67	95.189	-0.194	0.000	0.05	1.8	OK
7.010		S5041	67	94.850	-0.453	0.000	0.05	23.8	OK
7.011		S5042	67	94.399	-0.456	0.000	0.04	24.6	OK
7.012		S5047	67	93.596	-0.424	0.000	0.08	26.0	OK
7.013		S8167	67	93.438	-0.417	0.000	0.09	26.0	OK
7.014	S5048 - Headwall	67	93.409	-0.466	0.000	0.10		26.0	OK
1.018	S5049 - Headwall	70	93.385	-0.565	0.000	0.12		62.1	OK
1.019	S5050 Control Chamber	50	93.384	-0.066	0.000	0.11		10.7	OK

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Summary Wizard of 720 minute 1 year Winter I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
1.000		S8142	69 96.751	-0.364	0.000	0.01	1.2	OK	
2.000		S8133	69 97.419	-0.291	0.000	0.01	0.9	OK	
1.001		S8134	69 96.138	-0.412	0.000	0.02	3.3	OK	
1.002		S8141	69 95.958	-0.487	0.000	0.02	4.6	OK	
1.003		S8139	69 95.762	-0.493	0.000	0.01	4.9	OK	
1.004		S8140	69 95.367	-0.478	0.000	0.02	6.8	OK	
1.005		S4008	69 95.176	-0.450	0.000	0.05	8.1	OK	
1.006		S4011	69 95.112	-0.477	0.000	0.02	8.4	OK	
1.007		S4012	69 94.621	-0.464	0.000	0.03	10.1	OK	
3.000		S8157	69 95.936	-0.369	0.000	0.00	0.9	OK	
3.001		S8159	69 95.051	-0.429	0.000	0.01	2.0	OK	
3.002		S8154	69 94.849	-0.491	0.000	0.01	3.9	OK	
3.003		S8155	69 94.670	-0.495	0.000	0.01	5.2	OK	
1.008		S5015	69 94.402	-0.443	0.000	0.06	16.7	OK	
1.009		S5016	69 94.252	-0.453	0.000	0.05	16.7	OK	
1.010	S5017 - PH4 Connection	69 94.066	-0.409	0.000	0.09	18.1	OK		
4.000		S5018	69 95.110	-0.294	0.000	0.00	0.8	OK	
1.011		S5019	69 94.013	-0.392	0.000	0.12	19.3	OK	
1.012	S5020 PH5 Connection	69 93.974	-0.391	0.000	0.15	19.9	OK		
1.013		S5021	69 93.802	-0.528	0.000	0.03	21.0	OK	

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Summary Wizard of 960 minute 1 year Winter I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	70 96.749	-0.366	0.000	0.01		1.0	OK
2.000		S8133	70 97.417	-0.293	0.000	0.00		0.8	OK
1.001		S8134	70 96.131	-0.419	0.000	0.01		2.6	OK
1.002		S8141	70 95.950	-0.495	0.000	0.01		3.7	OK
1.003		S8139	70 95.756	-0.499	0.000	0.01		4.0	OK
1.004		S8140	70 95.358	-0.487	0.000	0.02		5.5	OK
1.005		S4008	70 95.168	-0.458	0.000	0.04		6.6	OK
1.006		S4011	70 95.103	-0.486	0.000	0.02		6.8	OK
1.007		S4012	70 94.616	-0.469	0.000	0.03		8.1	OK
3.000		S8157	70 95.935	-0.370	0.000	0.00		0.7	OK
3.001		S8159	70 95.047	-0.433	0.000	0.01		1.6	OK
3.002		S8154	70 94.842	-0.498	0.000	0.01		3.1	OK
3.003		S8155	70 94.664	-0.501	0.000	0.01		4.2	OK
1.008		S5015	70 94.393	-0.452	0.000	0.05		13.5	OK
1.009		S5016	70 94.245	-0.460	0.000	0.04		13.5	OK
1.010	S5017 - PH4 Connection	70 94.055	-0.420	0.000	0.07			14.7	OK
4.000		S5018	70 95.109	-0.295	0.000	0.00		0.7	OK
1.011		S5019	71 93.999	-0.406	0.000	0.10		15.6	OK
1.012	S5020 PH5 Connection	71 93.961	-0.404	0.000	0.12			16.1	OK
1.013		S5021	71 93.796	-0.534	0.000	0.03		17.0	OK

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
5.000		S5023	70	94.085	-0.435	0.000	0.01	1.8	OK
5.001		S5025	70	93.738	-0.422	0.000	0.01	3.0	OK
5.000		S5026	70	94.301	-0.291	0.000	0.01	0.7	OK
5.001		S5027	70	93.784	-0.351	0.000	0.01	1.8	OK
5.002		S5028	70	93.551	-0.465	0.000	0.03	5.3	OK
1.014		S5029	71	93.463	-0.508	0.000	0.09	22.9	OK
1.015		S5030	71	93.426	-0.501	0.000	0.09	23.1	OK
1.016		S8121	71	93.393	-0.494	0.000	0.10	24.0	OK
1.017	S5036 - Headwall	70	93.392	-0.933	0.000	0.03		25.4	OK
7.000		S8135	70	96.202	-0.413	0.000	0.01	1.9	OK
7.001		S8136	70	96.144	-0.398	0.000	0.03	3.6	OK
7.002		S8137	70	96.083	-0.390	0.000	0.04	5.1	OK
7.003		S8161	70	96.024	-0.390	0.000	0.04	5.6	OK
8.000		S8151	70	96.185	-0.272	0.000	0.02	1.4	OK
7.004		S8162	70	95.948	-0.391	0.000	0.04	8.2	OK
7.005		S8152	70	95.739	-0.461	0.000	0.04	9.1	OK
9.000		S8144	70	96.259	-0.291	0.000	0.01	0.5	OK
9.001		S8145	70	96.011	-0.364	0.000	0.01	1.2	OK
7.006		S8146	70	95.626	-0.464	0.000	0.03	11.1	OK
0.000		S8165	70	95.549	-0.446	0.000	0.00	0.3	OK
0.001		S8164	70	95.417	-0.494	0.000	0.00	0.8	OK
7.007		S8147	70	95.413	-0.467	0.000	0.03	12.7	OK
7.008		S8150	70	95.090	-0.455	0.000	0.04	12.8	OK
7.009		S8149	70	94.936	-0.429	0.000	0.08	14.3	OK
1.000		S5037	70	95.164	-0.216	0.000	0.01	0.3	OK
1.001		S5038	70	94.950	-0.283	0.000	0.01	0.7	OK
1.002		S5039	70	94.878	-0.277	0.000	0.01	0.8	OK
2.000		S5040	70	95.184	-0.199	0.000	0.03	1.3	OK
7.010		S5041	70	94.840	-0.463	0.000	0.03	16.7	OK
7.011		S5042	70	94.389	-0.466	0.000	0.03	17.3	OK
7.012		S5047	71	93.577	-0.443	0.000	0.06	18.3	OK
7.013		S8167	71	93.418	-0.438	0.000	0.07	18.3	OK
7.014	S5048 - Headwall	70	93.392	-0.483	0.000	0.07		18.3	OK
1.018	S5049 - Headwall	65	93.390	-0.560	0.000	0.09		43.6	OK
1.019	S5050 Control Chamber	47	93.389	-0.061	0.000	0.12		10.8	OK



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Drainage

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PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe	Status
								Flow (l/s)	
5.000	S5036 - Headwall	S5023	72	94.081	-0.439	0.000	0.01	1.4	OK
5.001		S5025	72	93.731	-0.429	0.000	0.01	2.2	OK
6.000		S5026	72	94.299	-0.293	0.000	0.00	0.5	OK
6.001		S5027	72	93.778	-0.357	0.000	0.01	1.3	OK
5.002		S5028	72	93.545	-0.471	0.000	0.02	3.9	OK
1.014		S5029	72	93.440	-0.530	0.000	0.06	17.0	OK
1.015		S5030	72	93.404	-0.523	0.000	0.07	17.1	OK
1.016		S8121	72	93.389	-0.498	0.000	0.08	17.8	OK
1.017		S8135	71	93.389	-0.936	0.000	0.02	18.8	OK
7.000		S8136	72	96.193	-0.422	0.000	0.01	1.4	OK
7.001		S8137	72	96.139	-0.404	0.000	0.02	2.6	OK
7.002		S8161	72	96.076	-0.398	0.000	0.03	3.8	OK
7.003		S8151	72	96.017	-0.397	0.000	0.03	4.1	OK
8.000		S8152	72	96.178	-0.279	0.000	0.01	1.1	OK
7.004		S8162	72	95.941	-0.399	0.000	0.03	6.1	OK
7.005		S8152	72	95.732	-0.468	0.000	0.03	6.8	OK
9.000		S8144	72	96.257	-0.293	0.000	0.00	0.4	OK
9.001		S8145	72	96.008	-0.367	0.000	0.00	0.9	OK
7.006		S8146	72	95.619	-0.471	0.000	0.02	8.2	OK
0.000		S8165	72	95.548	-0.447	0.000	0.00	0.2	OK
0.001	S8164	72	95.411	-0.500	0.000	0.00	0.6	OK	
7.007	S8147	72	95.408	-0.472	0.000	0.02	9.4	OK	
7.008	S8150	72	95.082	-0.463	0.000	0.03	9.5	OK	
7.009	S8149	72	94.922	-0.443	0.000	0.06	10.6	OK	
1.000	S5037	72	95.162	-0.218	0.000	0.01	0.2	OK	
1.001	S5038	72	94.946	-0.287	0.000	0.01	0.5	OK	
1.002	S5039	72	94.872	-0.283	0.000	0.01	0.6	OK	
2.000	S5040	72	95.181	-0.201	0.000	0.02	0.9	OK	
7.010	S5041	72	94.833	-0.470	0.000	0.02	12.4	OK	
7.011	S5042	72	94.383	-0.472	0.000	0.02	12.8	OK	
7.012	S5047	72	93.565	-0.455	0.000	0.04	13.6	OK	
7.013	S8167	72	93.405	-0.451	0.000	0.05	13.6	OK	
7.014	S5048 - Headwall	71	93.388	-0.487	0.000	0.05	13.6	OK	
1.018	S5049 - Headwall	69	93.387	-0.563	0.000	0.06	32.1	OK	
1.019	S5050 Control Chamber	49	93.386	-0.064	0.000	0.12	10.8	OK	

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Summary Wizard of 15 minute 30 year Winter I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Overflow Cap. (l/s)	Pipe Flow (l/s)
1.000	S8142	6	96.846	-0.269	0.000	0.17	32.1
2.000	S8133	6	97.492	-0.218	0.000	0.16	25.0
1.001	S8134	7	96.325	-0.225	0.000	0.48	88.3
1.002	S8141	7	96.158	-0.287	0.000	0.41	125.1
1.003	S8139	7	95.945	-0.310	0.000	0.35	133.6
1.004	S8140	8	95.671	-0.174	0.000	0.51	181.6
1.005	S4008	9	95.626	0.000	0.000	1.30	212.0
1.006	S4011	8	95.417	-0.172	0.000	0.47	202.9
1.007	S4012	8	95.326	0.241	0.000	0.66	210.1
3.000	S8157	7	96.008	-0.297	0.000	0.10	24.0
3.001	S8159	8	95.269	-0.211	0.000	0.27	57.0
3.002	S8154	8	95.256	-0.084	0.000	0.37	106.9
3.003	S8155	8	95.239	0.074	0.000	0.29	126.4
1.008	S5015	8	95.224	0.379	0.000	1.08	305.3
1.009	S5016	8	95.075	0.370	0.000	0.83	305.3
1.010	S5017 - PH4 Connection	8	94.925	0.450	0.000	1.57	323.2
4.000	S5018	7	95.170	-0.234	0.000	0.11	22.6
1.011	S5019	8	94.756	0.351	0.000	2.14	339.2
1.012	S5020 PH5 Connection	10	94.574	0.209	0.000	2.58	344.3
1.013	S5021	10	94.410	0.080	0.000	0.58	348.0

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PN	US/MH Name	Storm Rank	Water		Surcharged	Flooded	Flow / Cap.	Overflow (1/s)	Pipe
			Level (m)	Depth (m)	Volume (m³)	Flow (1/s)			
5.000	S5036 - Headwall	S5023	11	94.365	-0.155	0.000	0.23	60.4	
5.001		S5025	11	94.357	0.197	0.000	0.34	74.8	
6.000		S5026	10	94.389	-0.203	0.000	0.22	23.8	
6.001		S5027	11	94.356	0.221	0.000	0.40	52.8	
5.002		S5028	10	94.348	0.332	0.000	0.77	131.3	
1.014		S5029	10	94.337	0.367	0.000	1.75	462.1	
1.015		S5030	10	94.264	0.337	0.000	1.82	456.6	
1.016		S8121	10	94.193	0.306	0.000	2.01	461.8	
1.017		S8135	9	94.151	-0.174	0.000	0.45	442.4	
7.000		S8136	7	96.622	0.007	0.000	0.43	60.1	
7.001		S8137	7	96.596	0.053	0.000	0.77	106.3	
7.002		S8161	7	96.550	0.077	0.000	1.09	148.3	
7.003		S8151	7	96.475	0.061	0.000	1.13	159.0	
8.000		S8152	7	96.422	-0.035	0.000	0.64	47.2	
7.004		S8162	7	96.374	0.035	0.000	1.17	230.6	
7.005		S8144	7	96.113	-0.087	0.000	0.97	248.0	
9.000		S8145	7	96.343	-0.207	0.000	0.21	16.8	
9.001		S8146	7	96.117	-0.258	0.000	0.21	42.9	
7.006		S8165	7	96.030	-0.060	0.000	0.83	290.3	
10.000		S8164	7	95.894	-0.101	0.000	0.05	8.3	
10.001		S8147	7	95.891	-0.020	0.000	0.16	27.3	
7.007		S8150	7	95.888	0.008	0.000	0.72	319.2	
7.008		S8149	7	95.714	0.169	0.000	1.10	321.0	
7.009		S5037	8	95.496	0.130	0.000	1.84	345.0	
11.000		S5038	8	95.239	-0.141	0.000	0.29	10.8	
11.001	S5039	8	95.223	-0.011	0.000	0.37	22.7		
11.002	S5040	8	95.214	0.059	0.000	0.33	20.3		
12.000	S5041	8	95.461	0.079	0.000	1.05	40.2		
7.010	S5042	8	95.205	-0.098	0.000	0.76	391.8		
7.011	S5047	8	94.983	0.128	0.000	0.67	393.1		
7.012	S8167	8	94.670	0.650	0.000	1.31	406.9		
7.013	S5048 - Headwall	8	94.443	0.588	0.000	1.47	406.2		
7.014	S5049 - Headwall	8	94.224	0.349	0.000	1.51	385.4		
1.018	S5050 Control Chamber	10	94.118	0.168	0.000	1.57	789.8		
1.019		51	93.384	-0.066	0.000	0.11	10.7		

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	SURCHARGED
6.000	S5026	OK
6.001	S5027	SURCHARGED
5.002	S5028	SURCHARGED
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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Summary Wizard of 15 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	SURCHARGED
7.001	S8136	SURCHARGED
7.002	S8137	SURCHARGED
7.003	S8161	SURCHARGED
8.000	S8151	OK
7.004	S8162	SURCHARGED
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	SURCHARGED
7.008	S8150	SURCHARGED
7.009	S8149	SURCHARGED
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	SURCHARGED
12.000	S5040	SURCHARGED
7.010	S5041	OK
7.011	S5042	SURCHARGED
7.012	S5047	SURCHARGED
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	OK

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Summary Wizard of 30 minute 30 year Winter I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Pipe Flow (l/s)
1.000	S8142	10	96.831	-0.284	0.000	0.13	25.3
2.000	S8133	10	97.481	-0.229	0.000	0.13	19.7
1.001	S8134	10	96.292	-0.258	0.000	0.38	69.0
1.002	S8141	10	96.124	-0.321	0.000	0.32	97.7
1.003	S8139	10	95.915	-0.340	0.000	0.27	103.6
1.004	S8140	10	95.581	-0.264	0.000	0.39	138.4
1.005	S4008	10	95.548	-0.078	0.000	1.00	162.5
1.006	S4011	11	95.290	-0.299	0.000	0.39	167.7
1.007	S4012	10	95.171	0.086	0.000	0.57	181.2
3.000	S8157	10	95.997	-0.308	0.000	0.07	18.7
3.001	S8159	11	95.168	-0.312	0.000	0.20	43.2
3.002	S8154	10	95.128	-0.212	0.000	0.28	81.4
3.003	S8155	10	95.111	-0.054	0.000	0.23	99.1
1.008	S5015	10	95.096	0.251	0.000	0.97	274.7
1.009	S5016	9	94.974	0.269	0.000	0.75	274.4
1.010	S5017 - PH4 Connection	9	94.859	0.384	0.000	1.43	295.3
4.000	S5018	10	95.163	-0.241	0.000	0.09	17.5
1.011	S5019	9	94.727	0.322	0.000	1.96	311.3
1.012	S5020 PH5 Connection	9	94.580	0.215	0.000	2.39	318.8
1.013	S5021	9	94.422	0.092	0.000	0.54	324.9

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Summary Wizard of 30 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Status
1.000	S8142	OK
2.000	S8133	OK
1.001	S8134	OK
1.002	S8141	OK
1.003	S8139	OK
1.004	S8140	OK
1.005	S4008	OK
1.006	S4011	OK
1.007	S4012	SURCHARGED
3.000	S8157	OK
3.001	S8159	OK
3.002	S8154	OK
3.003	S8155	OK
1.008	S5015	SURCHARGED
1.009	S5016	SURCHARGED
1.010	S5017 - PH4 Connection	SURCHARGED
4.000	S5018	OK
1.011	S5019	SURCHARGED
1.012	S5020 PH5 Connection	SURCHARGED
1.013	S5021	SURCHARGED

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Summary Wizard of 30 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
			Level (m)	Depth (m)	Volume (m³)			
5.000		S5023	9 94.397	-0.123	0.000	0.18		47.5
5.001		S5025	9 94.384	0.224	0.000	0.28		62.1
6.000		S5026	9 94.396	-0.196	0.000	0.17		18.8
6.001		S5027	9 94.383	0.248	0.000	0.32		42.0
5.002		S5028	9 94.371	0.355	0.000	0.63		107.3
1.014		S5029	9 94.354	0.384	0.000	1.60		422.4
1.015		S5030	9 94.276	0.349	0.000	1.67		419.1
1.016		S8121	9 94.198	0.311	0.000	1.88		432.2
1.017	S5036 - Headwall	10	94.150	-0.175	0.000	0.45		434.3
7.000		S8135	11 96.463	-0.152	0.000	0.35		49.0
7.001		S8136	11 96.442	-0.101	0.000	0.64		88.5
7.002		S8137	11 96.405	-0.069	0.000	0.92		125.0
7.003		S8161	11 96.340	-0.073	0.000	0.97		135.2
8.000		S8151	10 96.310	-0.147	0.000	0.51		37.4
7.004		S8162	11 96.252	-0.087	0.000	1.00		196.7
7.005		S8152	11 96.052	-0.148	0.000	0.86		217.9
9.000		S8144	10 96.330	-0.220	0.000	0.16		13.2
9.001		S8145	10 96.100	-0.275	0.000	0.16		32.5
7.006		S8146	11 95.908	-0.182	0.000	0.75		264.5
10.000		S8165	11 95.795	-0.200	0.000	0.04		7.1
10.001		S8164	11 95.792	-0.119	0.000	0.13		21.9
7.007		S8147	11 95.789	-0.091	0.000	0.65		290.5
7.008		S8150	11 95.646	0.101	0.000	1.01		293.2
7.009		S8149	11 95.463	0.098	0.000	1.71		320.3
11.000		S5037	11 95.228	-0.152	0.000	0.23		8.5
11.001		S5038	9 95.169	-0.064	0.000	0.29		18.0
11.002		S5039	9 95.159	0.004	0.000	0.29		18.0
12.000		S5040	11 95.320	-0.063	0.000	0.84		32.4
7.010		S5041	9 95.149	-0.154	0.000	0.72		369.2
7.011		S5042	9 94.948	0.093	0.000	0.63		369.8
7.012		S5047	9 94.655	0.635	0.000	1.21		375.9
7.013		S8167	9 94.436	0.580	0.000	1.35		372.9
7.014	S5048 - Headwall	10	94.217	0.342	0.000	1.44		365.1
1.018	S5049 - Headwall	11	94.115	0.165	0.000	1.56		784.7
1.019	S5050 Control Chamber	45	93.447	-0.003	0.000	0.12		11.4

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	SURCHARGED
6.000	S5026	OK
6.001	S5027	SURCHARGED
5.002	S5028	SURCHARGED
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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Summary Wizard of 30 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	SURCHARGED
7.009	S8149	SURCHARGED
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	SURCHARGED
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	SURCHARGED
7.012	S5047	SURCHARGED
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	OK

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Summary Wizard of 60 minute 30 year Winter I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)
1.000	S8142	15	96.815	-0.300	0.000	0.09		16.5
2.000	S8133	15	97.468	-0.242	0.000	0.08		12.8
1.001	S8134	15	96.252	-0.298	0.000	0.25		44.8
1.002	S8141	15	96.083	-0.362	0.000	0.21		63.4
1.003	S8139	15	95.879	-0.376	0.000	0.18		68.4
1.004	S8140	15	95.503	-0.342	0.000	0.26		94.0
1.005	S4008	15	95.422	-0.204	0.000	0.69		111.8
1.006	S4011	15	95.247	-0.342	0.000	0.27		115.5
1.007	S4012	15	94.824	-0.261	0.000	0.43		136.3
3.000	S8157	15	95.983	-0.322	0.000	0.05		12.2
3.001	S8159	15	95.139	-0.341	0.000	0.13		28.2
3.002	S8154	15	94.969	-0.371	0.000	0.19		53.7
3.003	S8155	15	94.783	-0.382	0.000	0.16		71.3
1.008	S5015	15	94.746	-0.099	0.000	0.77		218.6
1.009	S5016	15	94.666	-0.039	0.000	0.59		217.0
1.010	S5017 - PH4 Connection	15	94.597	0.122	0.000	1.14		234.6
4.000	S5018	15	95.150	-0.254	0.000	0.06		11.4
1.011	S5019	15	94.507	0.102	0.000	1.57		248.4
1.012	S5020 PH5 Connection	15	94.415	0.050	0.000	1.92		255.7
1.013	S5021	15	94.239	-0.091	0.000	0.44		262.3

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Summary Wizard of 60 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Status
1.000	S8142	OK
2.000	S8133	OK
1.001	S8134	OK
1.002	S8141	OK
1.003	S8139	OK
1.004	S8140	OK
1.005	S4008	OK
1.006	S4011	OK
1.007	S4012	OK
3.000	S8157	OK
3.001	S8159	OK
3.002	S8154	OK
3.003	S8155	OK
1.008	S5015	OK
1.009	S5016	OK
1.010	S5017 - PH4 Connection	SURCHARGED
4.000	S5018	OK
1.011	S5019	SURCHARGED
1.012	S5020 PH5 Connection	SURCHARGED
1.013	S5021	OK

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Summary Wizard of 60 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
			Level (m)	Depth (m)	Volume (m³)			
5.000	S5023	15	94.231	-0.289	0.000	0.12		31.0
5.001	S5025	15	94.220	0.060	0.000	0.20		44.7
6.000	S5026	15	94.359	-0.233	0.000	0.11		12.2
6.001	S5027	15	94.220	0.085	0.000	0.22		29.0
5.002	S5028	15	94.208	0.191	0.000	0.46		79.0
1.014	S5029	15	94.192	0.222	0.000	1.31		344.9
1.015	S5030	15	94.138	0.211	0.000	1.36		341.8
1.016	S8121	18	94.086	0.199	0.000	1.53		352.5
1.017	S5036 - Headwall	20	94.053	-0.272	0.000	0.37		362.4
7.000	S8135	15	96.376	-0.240	0.000	0.23		32.4
7.001	S8136	15	96.350	-0.193	0.000	0.43		60.1
7.002	S8137	15	96.307	-0.167	0.000	0.63		85.9
7.003	S8161	15	96.248	-0.166	0.000	0.67		93.2
8.000	S8151	15	96.276	-0.181	0.000	0.33		24.3
7.004	S8162	15	96.167	-0.173	0.000	0.69		136.3
7.005	S8152	15	95.969	-0.231	0.000	0.59		151.3
9.000	S8144	15	96.315	-0.235	0.000	0.11		8.6
9.001	S8145	15	96.081	-0.294	0.000	0.10		21.2
7.006	S8146	15	95.836	-0.254	0.000	0.52		183.9
10.000	S8165	15	95.625	-0.370	0.000	0.03		5.1
10.001	S8164	15	95.612	-0.299	0.000	0.07		12.5
7.007	S8147	15	95.610	-0.270	0.000	0.47		209.4
7.008	S8150	15	95.474	-0.071	0.000	0.73		212.1
7.009	S8149	15	95.377	0.012	0.000	1.26		236.4
11.000	S5037	15	95.213	-0.167	0.000	0.15		5.6
11.001	S5038	15	95.077	-0.156	0.000	0.20		12.3
11.002	S5039	15	95.065	-0.091	0.000	0.20		12.5
12.000	S5040	15	95.279	-0.104	0.000	0.56		21.5
7.010	S5041	15	95.052	-0.251	0.000	0.54		275.9
7.011	S5042	15	94.588	-0.267	0.000	0.48		284.0
7.012	S5047	15	94.331	0.311	0.000	0.93		289.9
7.013	S8167	15	94.198	0.342	0.000	1.04		288.7
7.014	S5048 - Headwall	19	94.077	0.202	0.000	1.12		284.7
1.018	S5049 - Headwall	21	94.023	0.073	0.000	1.23		620.7
1.019	S5050 Control Chamber	43	93.510	0.060	0.000	0.13		11.8

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	SURCHARGED
6.000	S5026	OK
6.001	S5027	SURCHARGED
5.002	S5028	SURCHARGED
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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<u>Summary Wizard of 60 minute 30 year Winter I+0% for Surface Network 5</u>		
	US/MH	
PN	Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	SURCHARGED
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	SURCHARGED
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	SURCHARGED
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Summary Wizard of 120 minute 30 year Winter I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)
1.000	S8142	26	96.796	-0.319	0.000	0.05		10.2
2.000	S8133	26	97.453	-0.257	0.000	0.05		7.9
1.001	S8134	25	96.216	-0.334	0.000	0.15		27.7
1.002	S8141	25	96.044	-0.401	0.000	0.13		39.2
1.003	S8139	25	95.845	-0.410	0.000	0.11		41.9
1.004	S8140	24	95.460	-0.385	0.000	0.16		57.8
1.005	S4008	23	95.339	-0.287	0.000	0.42		68.7
1.006	S4011	23	95.205	-0.384	0.000	0.16		71.0
1.007	S4012	23	94.745	-0.340	0.000	0.27		85.3
3.000	S8157	26	95.972	-0.333	0.000	0.03		7.5
3.001	S8159	25	95.116	-0.364	0.000	0.08		17.3
3.002	S8154	25	94.933	-0.407	0.000	0.11		33.0
3.003	S8155	25	94.751	-0.414	0.000	0.10		44.0
1.008	S5015	22	94.584	-0.261	0.000	0.50		141.7
1.009	S5016	21	94.493	-0.212	0.000	0.38		141.3
1.010	S5017 - PH4 Connection	21	94.454	-0.021	0.000	0.74		153.2
4.000	S5018	26	95.140	-0.264	0.000	0.03		7.0
1.011	S5019	21	94.406	0.001	0.000	1.03		162.6
1.012	S5020 PH5 Connection	21	94.365	0.000	0.000	1.25		167.2
1.013	S5021	31	93.987	-0.343	0.000	0.29		175.1

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Summary Wizard of 120 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Status
1.000	S8142	OK
2.000	S8133	OK
1.001	S8134	OK
1.002	S8141	OK
1.003	S8139	OK
1.004	S8140	OK
1.005	S4008	OK
1.006	S4011	OK
1.007	S4012	OK
3.000	S8157	OK
3.001	S8159	OK
3.002	S8154	OK
3.003	S8155	OK
1.008	S5015	OK
1.009	S5016	OK
1.010	S5017 - PH4 Connection	OK
4.000	S5018	OK
1.011	S5019	SURCHARGED
1.012	S5020 PH5 Connection	OK
1.013	S5021	OK

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Summary Wizard of 120 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
			Level (m)	Depth (m)	Volume (m³)			
5.000		S5023	26 94.151	-0.369	0.000	0.07		19.2
5.001		S5025	31 93.978	-0.182	0.000	0.13		29.1
6.000		S5026	26 94.344	-0.248	0.000	0.07		7.5
6.001		S5027	31 93.977	-0.158	0.000	0.14		18.3
5.002		S5028	32 93.967	-0.049	0.000	0.29		49.5
1.014		S5029	32 93.954	-0.017	0.000	0.87		230.4
1.015		S5030	32 93.882	-0.045	0.000	0.92		231.2
1.016		S8121	32 93.806	-0.081	0.000	1.04		238.6
1.017	S5036 - Headwall	32	93.784	-0.541	0.000	0.26		250.1
7.000		S8135	24 96.315	-0.300	0.000	0.14		20.0
7.001		S8136	23 96.282	-0.261	0.000	0.27		37.2
7.002		S8137	23 96.235	-0.239	0.000	0.39		53.3
7.003		S8161	22 96.176	-0.238	0.000	0.42		58.2
8.000		S8151	26 96.249	-0.208	0.000	0.21		15.0
7.004		S8162	22 96.096	-0.243	0.000	0.43		85.4
7.005		S8152	22 95.897	-0.303	0.000	0.37		95.1
9.000		S8144	26 96.300	-0.250	0.000	0.07		5.3
9.001		S8145	25 96.061	-0.314	0.000	0.06		13.0
7.006		S8146	22 95.772	-0.318	0.000	0.33		115.7
10.000		S8165	23 95.593	-0.402	0.000	0.02		3.2
10.001		S8164	22 95.552	-0.359	0.000	0.05		7.9
7.007		S8147	22 95.551	-0.329	0.000	0.30		131.9
7.008		S8150	21 95.287	-0.258	0.000	0.46		133.0
7.009		S8149	21 95.198	-0.168	0.000	0.79		148.2
11.000		S5037	26 95.201	-0.179	0.000	0.09		3.4
11.001		S5038	21 95.023	-0.210	0.000	0.13		7.7
11.002		S5039	21 94.998	-0.158	0.000	0.13		8.1
12.000		S5040	26 95.249	-0.134	0.000	0.34		13.3
7.010		S5041	21 94.989	-0.314	0.000	0.34		173.1
7.011		S5042	21 94.529	-0.326	0.000	0.31		179.1
7.012		S5047	32 93.880	-0.140	0.000	0.61		188.4
7.013		S8167	32 93.847	-0.009	0.000	0.68		188.1
7.014	S5048 - Headwall	32	93.816	-0.059	0.000	0.74		187.9
1.018	S5049 - Headwall	32	93.737	-0.213	0.000	0.86		434.2
1.019	S5050 Control Chamber	38	93.571	0.121	0.000	0.13		12.1

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	OK
1.015	S5030	OK

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Summary Wizard of 120 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 180 minute 30 year Winter I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142 31	96.788	-0.327	0.000	0.04		7.6	OK
2.000		S8133 31	97.448	-0.262	0.000	0.04		5.9	OK
1.001		S8134 31	96.200	-0.350	0.000	0.11		20.7	OK
1.002		S8141 31	96.029	-0.416	0.000	0.10		29.2	OK
1.003		S8139 31	95.830	-0.425	0.000	0.08		31.2	OK
1.004		S8140 31	95.440	-0.405	0.000	0.12		43.0	OK
1.005		S4008 31	95.303	-0.323	0.000	0.31		51.1	OK
1.006		S4011 31	95.185	-0.404	0.000	0.12		52.8	OK
1.007		S4012 31	94.719	-0.366	0.000	0.20		63.5	OK
3.000		S8157 31	95.968	-0.337	0.000	0.02		5.6	OK
3.001		S8159 31	95.102	-0.378	0.000	0.06		12.9	OK
3.002		S8154 31	94.918	-0.422	0.000	0.09		24.6	OK
3.003		S8155 31	94.735	-0.430	0.000	0.08		32.7	OK
1.008		S5015 31	94.542	-0.303	0.000	0.37		105.6	OK
1.009		S5016 30	94.379	-0.326	0.000	0.29		105.7	OK
1.010	S5017 - PH4 Connection	30	94.317	-0.158	0.000	0.56		114.8	OK
4.000		S5018 31	95.136	-0.268	0.000	0.03		5.2	OK
1.011		S5019 30	94.280	-0.125	0.000	0.77		121.8	OK
1.012	S5020 PH5 Connection	30	94.242	-0.123	0.000	0.94		125.4	OK
1.013		S5021 39	93.920	-0.410	0.000	0.22		131.9	OK

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Summary Wizard of 180 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
5.000		S5023	31	94.138	-0.382	0.000	0.06	14.3
5.001		S5025	35	93.840	-0.320	0.000	0.10	22.8
6.000		S5026	31	94.336	-0.256	0.000	0.05	5.6
6.001		S5027	38	93.855	-0.280	0.000	0.11	14.1
5.002		S5028	35	93.823	-0.193	0.000	0.23	39.8
1.014		S5029	35	93.812	-0.158	0.000	0.67	176.9
1.015		S5030	35	93.765	-0.163	0.000	0.71	178.5
1.016		S8121	35	93.713	-0.174	0.000	0.80	185.0
1.017	S5036 - Headwall	35	93.697	-0.628	0.000	0.20		194.4
7.000		S8135	31	96.289	-0.326	0.000	0.11	14.9
7.001		S8136	31	96.252	-0.291	0.000	0.20	27.8
7.002		S8137	31	96.203	-0.271	0.000	0.29	39.7
7.003		S8161	31	96.144	-0.270	0.000	0.31	43.4
8.000		S8151	31	96.235	-0.222	0.000	0.15	11.2
7.004		S8162	31	96.065	-0.274	0.000	0.32	63.7
7.005		S8152	31	95.863	-0.337	0.000	0.28	71.0
9.000		S8144	31	96.292	-0.258	0.000	0.05	4.0
9.001		S8145	31	96.052	-0.323	0.000	0.05	9.7
7.006		S8146	31	95.741	-0.349	0.000	0.25	86.4
10.000		S8165	31	95.579	-0.416	0.000	0.01	2.4
10.001		S8164	31	95.524	-0.387	0.000	0.03	5.9
7.007		S8147	31	95.522	-0.358	0.000	0.22	98.6
7.008		S8150	30	95.236	-0.309	0.000	0.34	99.9
7.009		S8149	30	95.132	-0.233	0.000	0.60	111.7
11.000		S5037	31	95.193	-0.186	0.000	0.07	2.6
11.001		S5038	30	95.002	-0.231	0.000	0.09	5.8
11.002		S5039	30	94.964	-0.191	0.000	0.10	6.1
12.000		S5040	31	95.235	-0.148	0.000	0.26	9.9
7.010		S5041	30	94.957	-0.346	0.000	0.25	130.7
7.011		S5042	30	94.500	-0.355	0.000	0.23	134.7
7.012		S5047	39	93.752	-0.268	0.000	0.46	142.3
7.013		S8167	36	93.724	-0.131	0.000	0.51	141.9
7.014	S5048 - Headwall	35	93.703	-0.172	0.000	0.56		142.0
1.018	S5049 - Headwall	41	93.648	-0.302	0.000	0.67		335.1
1.019	S5050 Control Chamber	35	93.603	0.153	0.000	0.13		12.2

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	OK
1.015	S5030	OK

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Summary Wizard of 180 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 240 minute 30 year Winter I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

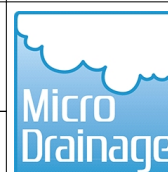
Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	36 96.784	-0.331	0.000	0.03		6.1	OK
2.000		S8133	36 97.444	-0.266	0.000	0.03		4.7	OK
1.001		S8134	36 96.191	-0.359	0.000	0.09		16.6	OK
1.002		S8141	36 96.016	-0.429	0.000	0.08		23.5	OK
1.003		S8139	36 95.817	-0.438	0.000	0.07		25.1	OK
1.004		S8140	36 95.429	-0.416	0.000	0.10		34.6	OK
1.005		S4008	36 95.280	-0.346	0.000	0.25		41.2	OK
1.006		S4011	36 95.174	-0.415	0.000	0.10		42.6	OK
1.007		S4012	36 94.700	-0.385	0.000	0.16		51.2	OK
3.000		S8157	36 95.962	-0.343	0.000	0.02		4.5	OK
3.001		S8159	36 95.094	-0.386	0.000	0.05		10.3	OK
3.002		S8154	36 94.905	-0.435	0.000	0.07		19.7	OK
3.003		S8155	36 94.723	-0.442	0.000	0.06		26.3	OK
1.008		S5015	36 94.516	-0.329	0.000	0.30		85.1	OK
1.009		S5016	36 94.350	-0.355	0.000	0.23		85.1	OK
1.010	S5017 - PH4 Connection	36 94.261	-0.214	0.000	0.45			92.3	OK
4.000		S5018	36 95.133	-0.271	0.000	0.02		4.2	OK
1.011		S5019	36 94.222	-0.183	0.000	0.62		98.0	OK
1.012	S5020 PH5 Connection	36 94.184	-0.181	0.000	0.76			101.3	OK
1.013		S5021	42 93.899	-0.431	0.000	0.18		106.6	OK

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)
5.000		S5023	37	94.131	-0.389	0.000	0.04	11.5
5.001		S5025	41	93.803	-0.357	0.000	0.08	18.5
6.000		S5026	36	94.331	-0.261	0.000	0.04	4.5
6.001		S5027	42	93.834	-0.301	0.000	0.09	11.3
5.002		S5028	41	93.760	-0.256	0.000	0.19	32.6
1.014		S5029	42	93.751	-0.219	0.000	0.54	143.6
1.015		S5030	41	93.707	-0.220	0.000	0.58	144.8
1.016		S8121	46	93.659	-0.228	0.000	0.65	150.3
1.017	S5036 - Headwall	47	93.643	-0.682	0.000	0.16	158.3	
7.000		S8135	36	96.273	-0.342	0.000	0.09	12.0
7.001		S8136	36	96.233	-0.310	0.000	0.16	22.3
7.002		S8137	36	96.182	-0.292	0.000	0.24	32.0
7.003		S8161	36	96.123	-0.291	0.000	0.25	34.9
8.000		S8151	36	96.226	-0.231	0.000	0.12	9.0
7.004		S8162	36	96.045	-0.295	0.000	0.26	51.3
7.005		S8152	36	95.843	-0.357	0.000	0.22	57.2
9.000		S8144	36	96.288	-0.262	0.000	0.04	3.2
9.001		S8145	36	96.047	-0.328	0.000	0.04	7.8
7.006		S8146	36	95.723	-0.367	0.000	0.20	69.6
10.000		S8165	36	95.570	-0.425	0.000	0.01	1.9
10.001		S8164	36	95.506	-0.405	0.000	0.03	4.7
7.007		S8147	36	95.504	-0.376	0.000	0.18	79.4
7.008		S8150	36	95.208	-0.337	0.000	0.28	80.3
7.009		S8149	36	95.097	-0.269	0.000	0.48	89.7
11.000		S5037	36	95.189	-0.191	0.000	0.06	2.1
11.001		S5038	36	94.993	-0.240	0.000	0.08	4.6
11.002		S5039	36	94.948	-0.208	0.000	0.08	4.9
12.000		S5040	36	95.227	-0.156	0.000	0.21	8.0
7.010		S5041	36	94.939	-0.364	0.000	0.20	105.1
7.011		S5042	36	94.482	-0.373	0.000	0.19	108.5
7.012		S5047	42	93.716	-0.304	0.000	0.37	114.8
7.013		S8167	46	93.662	-0.194	0.000	0.41	114.8
7.014	S5048 - Headwall	47	93.644	-0.231	0.000	0.45	114.9	
1.018	S5049 - Headwall	45	93.625	-0.325	0.000	0.54	272.4	
1.019	S5050 Control Chamber	28	93.624	0.174	0.000	0.13	12.2	

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	OK
1.015	S5030	OK

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Summary Wizard of 240 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 360 minute 30 year Winter I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142 43	96.779	-0.336	0.000	0.02		4.5	OK
2.000		S8133 43	97.441	-0.269	0.000	0.02		3.5	OK
1.001		S8134 43	96.175	-0.375	0.000	0.07		12.1	OK
1.002		S8141 43	96.000	-0.445	0.000	0.06		17.1	OK
1.003		S8139 43	95.803	-0.452	0.000	0.05		18.3	OK
1.004		S8140 43	95.411	-0.434	0.000	0.07		25.2	OK
1.005		S4008 43	95.253	-0.373	0.000	0.18		30.0	OK
1.006		S4011 43	95.156	-0.433	0.000	0.07		31.0	OK
1.007		S4012 43	94.679	-0.406	0.000	0.12		37.4	OK
3.000		S8157 43	95.953	-0.352	0.000	0.01		3.3	OK
3.001		S8159 43	95.085	-0.395	0.000	0.04		7.5	OK
3.002		S8154 43	94.890	-0.450	0.000	0.05		14.4	OK
3.003		S8155 43	94.710	-0.455	0.000	0.04		19.2	OK
1.008		S5015 43	94.486	-0.359	0.000	0.22		62.1	OK
1.009		S5016 43	94.324	-0.381	0.000	0.17		62.1	OK
1.010	S5017 - PH4 Connection	43 94.200	-0.275	0.000	0.33			67.4	OK
4.000		S5018 43	95.125	-0.279	0.000	0.01		3.1	OK
1.011		S5019 43	94.158	-0.247	0.000	0.45		71.6	OK
1.012	S5020 PH5 Connection	45 94.120	-0.245	0.000	0.55			73.8	OK
1.013		S5021 46	93.873	-0.457	0.000	0.13		77.7	OK

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PN	US/MH Name	Status																																																																																							
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Summary Wizard of 480 minute 30 year Winter I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
1.000		S8142	50 96.774	-0.341	0.000	0.02	3.6	OK	
2.000		S8133	50 97.435	-0.275	0.000	0.02	2.8	OK	
1.001		S8134	50 96.166	-0.384	0.000	0.05	9.7	OK	
1.002		S8141	50 95.991	-0.454	0.000	0.04	13.7	OK	
1.003		S8139	50 95.796	-0.459	0.000	0.04	14.6	OK	
1.004		S8140	50 95.400	-0.445	0.000	0.06	20.2	OK	
1.005		S4008	50 95.235	-0.391	0.000	0.15	24.0	OK	
1.006		S4011	50 95.144	-0.445	0.000	0.06	24.8	OK	
1.007		S4012	50 94.668	-0.417	0.000	0.09	29.8	OK	
3.000		S8157	50 95.949	-0.356	0.000	0.01	2.6	OK	
3.001		S8159	50 95.080	-0.400	0.000	0.03	6.0	OK	
3.002		S8154	50 94.882	-0.458	0.000	0.04	11.5	OK	
3.003		S8155	50 94.704	-0.461	0.000	0.04	15.3	OK	
1.008		S5015	50 94.467	-0.378	0.000	0.18	49.6	OK	
1.009		S5016	50 94.307	-0.398	0.000	0.13	49.6	OK	
1.010	S5017 - PH4 Connection	49 94.167	-0.308	0.000	0.26	53.9	OK		
4.000		S5018	50 95.121	-0.283	0.000	0.01	2.4	OK	
1.011		S5019	50 94.122	-0.283	0.000	0.36	57.3	OK	
1.012	S5020 PH5 Connection	50 94.084	-0.281	0.000	0.44	59.1	OK		
1.013		S5021	50 93.858	-0.472	0.000	0.10	62.2	OK	

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Summary Wizard of 480 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)
5.000		S5023	51 94.118	-0.402	0.000	0.03		6.7
5.001		S5025	51 93.773	-0.387	0.000	0.05		10.8
6.000		S5026	50 94.323	-0.269	0.000	0.02		2.6
6.001		S5027	51 93.814	-0.321	0.000	0.05		6.6
5.002		S5028	52 93.671	-0.345	0.000	0.11		19.2
1.014		S5029	50 93.671	-0.299	0.000	0.32		83.9
1.015		S5030	47 93.669	-0.258	0.000	0.34		84.6
1.016		S8121	44 93.667	-0.220	0.000	0.38		88.1
1.017	S5036 - Headwall	43 93.666	-0.659	0.000	0.10			93.2
7.000		S8135	50 96.243	-0.372	0.000	0.05		7.0
7.001		S8136	50 96.196	-0.347	0.000	0.09		13.0
7.002		S8137	50 96.142	-0.331	0.000	0.14		18.7
7.003		S8161	50 96.084	-0.330	0.000	0.15		20.4
8.000		S8151	50 96.209	-0.248	0.000	0.07		5.2
7.004		S8162	50 96.006	-0.334	0.000	0.15		30.0
7.005		S8152	50 95.801	-0.399	0.000	0.13		33.4
9.000		S8144	50 96.281	-0.269	0.000	0.02		1.9
9.001		S8145	50 96.038	-0.337	0.000	0.02		4.5
7.006		S8146	50 95.683	-0.407	0.000	0.12		40.6
10.000		S8165	50 95.559	-0.436	0.000	0.01		1.1
10.001		S8164	50 95.470	-0.441	0.000	0.02		2.8
7.007		S8147	50 95.468	-0.412	0.000	0.10		46.4
7.008		S8150	50 95.160	-0.385	0.000	0.16		46.9
7.009		S8149	49 95.029	-0.336	0.000	0.28		52.5
11.000		S5037	50 95.181	-0.199	0.000	0.03		1.2
11.001		S5038	50 94.974	-0.259	0.000	0.04		2.7
11.002		S5039	49 94.916	-0.240	0.000	0.05		2.9
12.000		S5040	50 95.209	-0.173	0.000	0.12		4.6
7.010		S5041	49 94.898	-0.405	0.000	0.12		61.5
7.011		S5042	49 94.445	-0.410	0.000	0.11		63.4
7.012		S5047	52 93.671	-0.349	0.000	0.22		67.1
7.013		S8167	44 93.669	-0.186	0.000	0.24		67.0
7.014	S5048 - Headwall	43 93.668	-0.207	0.000	0.26			67.1
1.018	S5049 - Headwall	37 93.667	-0.283	0.000	0.32			160.3
1.019	S5050 Control Chamber	25 93.666	0.216	0.000	0.13			12.3

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	OK
1.015	S5030	OK

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Summary Wizard of 480 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 600 minute 30 year Winter I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

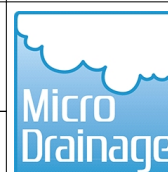
Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	53 96.768	-0.347	0.000	0.02		3.0	OK
2.000		S8133	53 97.431	-0.279	0.000	0.01		2.3	OK
1.001		S8134	53 96.161	-0.389	0.000	0.04		8.1	OK
1.002		S8141	53 95.985	-0.460	0.000	0.04		11.5	OK
1.003		S8139	53 95.791	-0.464	0.000	0.03		12.3	OK
1.004		S8140	53 95.393	-0.452	0.000	0.05		16.9	OK
1.005		S4008	53 95.223	-0.403	0.000	0.12		20.1	OK
1.006		S4011	53 95.137	-0.452	0.000	0.05		20.8	OK
1.007		S4012	53 94.658	-0.427	0.000	0.08		25.0	OK
3.000		S8157	53 95.946	-0.359	0.000	0.01		2.2	OK
3.001		S8159	53 95.077	-0.403	0.000	0.02		5.0	OK
3.002		S8154	53 94.877	-0.463	0.000	0.03		9.6	OK
3.003		S8155	53 94.699	-0.466	0.000	0.03		12.9	OK
1.008		S5015	53 94.453	-0.392	0.000	0.15		41.7	OK
1.009		S5016	53 94.297	-0.408	0.000	0.11		41.7	OK
1.010	S5017 - PH4 Connection	53 94.145	-0.330	0.000	0.22			45.3	OK
4.000		S5018	53 95.118	-0.286	0.000	0.01		2.1	OK
1.011		S5019	54 94.099	-0.306	0.000	0.30		48.1	OK
1.012	S5020 PH5 Connection	54 94.061	-0.304	0.000	0.37			49.6	OK
1.013		S5021	54 93.849	-0.481	0.000	0.09		52.2	OK

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PN	US/MH Name	Storm Rank	Water		Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
			Level (m)	Depth (m)	Volume (m³)				
5.000		S5023	54	94.115	-0.405	0.000	0.02		5.6
5.001		S5025	54	93.768	-0.392	0.000	0.04		9.1
6.000		S5026	53	94.321	-0.271	0.000	0.02		2.2
6.001		S5027	54	93.809	-0.326	0.000	0.04		5.5
5.002		S5028	50	93.678	-0.338	0.000	0.09		16.1
1.014		S5029	47	93.678	-0.292	0.000	0.27		70.6
1.015		S5030	46	93.677	-0.250	0.000	0.28		71.1
1.016		S8121	42	93.675	-0.212	0.000	0.32		73.7
1.017	S5036 - Headwall	40	93.675	-0.650	0.000	0.08		77.7	
7.000		S8135	53	96.235	-0.380	0.000	0.04		5.9
7.001		S8136	53	96.187	-0.355	0.000	0.08		10.9
7.002		S8137	53	96.132	-0.342	0.000	0.12		15.7
7.003		S8161	53	96.073	-0.341	0.000	0.12		17.1
8.000		S8151	53	96.204	-0.253	0.000	0.06		4.4
7.004		S8162	53	95.995	-0.344	0.000	0.13		25.2
7.005		S8152	53	95.790	-0.410	0.000	0.11		28.0
9.000		S8144	53	96.277	-0.273	0.000	0.02		1.6
9.001		S8145	53	96.033	-0.342	0.000	0.02		3.8
7.006		S8146	53	95.674	-0.416	0.000	0.10		34.1
10.000		S8165	53	95.557	-0.438	0.000	0.01		0.9
10.001		S8164	53	95.462	-0.449	0.000	0.01		2.3
7.007		S8147	53	95.459	-0.421	0.000	0.09		38.9
7.008		S8150	53	95.148	-0.397	0.000	0.14		39.4
7.009		S8149	53	95.012	-0.353	0.000	0.24		44.1
11.000		S5037	53	95.179	-0.200	0.000	0.03		1.0
11.001		S5038	53	94.970	-0.263	0.000	0.04		2.3
11.002		S5039	53	94.908	-0.248	0.000	0.04		2.4
12.000		S5040	53	95.205	-0.177	0.000	0.10		3.9
7.010		S5041	53	94.889	-0.414	0.000	0.10		51.7
7.011		S5042	53	94.436	-0.419	0.000	0.09		53.3
7.012		S5047	49	93.678	-0.342	0.000	0.18		56.4
7.013		S8167	42	93.677	-0.179	0.000	0.20		56.3
7.014	S5048 - Headwall	41	93.676	-0.199	0.000	0.22		56.1	
1.018	S5049 - Headwall	36	93.674	-0.276	0.000	0.26		131.9	
1.019	S5050 Control Chamber	23	93.674	0.224	0.000	0.13		12.3	

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	OK
1.015	S5030	OK

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Summary Wizard of 600 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 720 minute 30 year Winter I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

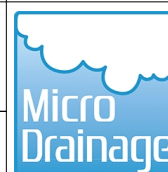
Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600,
 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Surcharged Flooded			Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
			Level (m)	Depth (m)	Volume (m³)				
1.000		S8142	58 96.764	-0.351	0.000	0.01		2.6	OK
2.000		S8133	58 97.428	-0.282	0.000	0.01		2.0	OK
1.001		S8134	58 96.157	-0.393	0.000	0.04		7.0	OK
1.002		S8141	58 95.981	-0.464	0.000	0.03		9.9	OK
1.003		S8139	58 95.788	-0.467	0.000	0.03		10.6	OK
1.004		S8140	58 95.388	-0.457	0.000	0.04		14.7	OK
1.005		S4008	58 95.215	-0.411	0.000	0.11		17.4	OK
1.006		S4011	58 95.132	-0.457	0.000	0.04		18.0	OK
1.007		S4012	58 94.649	-0.436	0.000	0.07		21.7	OK
3.000		S8157	58 95.943	-0.362	0.000	0.01		1.9	OK
3.001		S8159	58 95.074	-0.406	0.000	0.02		4.4	OK
3.002		S8154	58 94.874	-0.466	0.000	0.03		8.4	OK
3.003		S8155	58 94.696	-0.469	0.000	0.03		11.1	OK
1.008		S5015	58 94.444	-0.401	0.000	0.13		36.1	OK
1.009		S5016	58 94.290	-0.415	0.000	0.10		36.1	OK
1.010	S5017 - PH4 Connection	58 94.129	-0.346	0.000	0.19			39.3	OK
4.000		S5018	58 95.116	-0.288	0.000	0.01		1.8	OK
1.011		S5019	58 94.083	-0.322	0.000	0.26		41.7	OK
1.012	S5020 PH5 Connection	58 94.045	-0.320	0.000	0.32			43.0	OK
1.013		S5021	58 93.838	-0.492	0.000	0.08		45.3	OK

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)
5.000		S5023	58 94.110	-0.410	0.000	0.02		4.9
5.001		S5025	58 93.765	-0.395	0.000	0.04		7.9
6.000		S5026	58 94.317	-0.275	0.000	0.02		1.9
6.001		S5027	58 93.806	-0.329	0.000	0.04		4.8
5.002		S5028	48 93.678	-0.338	0.000	0.08		14.0
1.014		S5029	48 93.678	-0.292	0.000	0.23		61.2
1.015		S5030	45 93.677	-0.250	0.000	0.25		61.5
1.016		S8121	41 93.676	-0.212	0.000	0.28		63.7
1.017	S5036 - Headwall	39 93.675	-0.650	0.000	0.07			67.1
7.000		S8135	58 96.230	-0.386	0.000	0.04		5.1
7.001		S8136	58 96.181	-0.362	0.000	0.07		9.5
7.002		S8137	58 96.125	-0.349	0.000	0.10		13.6
7.003		S8161	58 96.066	-0.348	0.000	0.11		14.8
8.000		S8151	58 96.201	-0.256	0.000	0.05		3.8
7.004		S8162	58 95.988	-0.351	0.000	0.11		21.8
7.005		S8152	58 95.783	-0.417	0.000	0.10		24.3
9.000		S8144	58 96.273	-0.277	0.000	0.02		1.3
9.001		S8145	58 96.028	-0.347	0.000	0.02		3.3
7.006		S8146	58 95.667	-0.423	0.000	0.08		29.5
10.000		S8165	58 95.555	-0.440	0.000	0.00		0.8
10.001		S8164	58 95.453	-0.458	0.000	0.01		2.0
7.007		S8147	58 95.450	-0.430	0.000	0.08		33.7
7.008		S8150	58 95.139	-0.406	0.000	0.12		34.1
7.009		S8149	58 95.001	-0.365	0.000	0.20		38.3
11.000		S5037	58 95.178	-0.202	0.000	0.02		0.9
11.001		S5038	58 94.968	-0.265	0.000	0.03		2.0
11.002		S5039	58 94.903	-0.253	0.000	0.03		2.1
12.000		S5040	58 95.202	-0.180	0.000	0.09		3.4
7.010		S5041	58 94.882	-0.421	0.000	0.09		44.8
7.011		S5042	58 94.428	-0.427	0.000	0.08		46.2
7.012		S5047	48 93.678	-0.342	0.000	0.16		48.9
7.013		S8167	41 93.677	-0.179	0.000	0.18		48.8
7.014	S5048 - Headwall	40 93.676	-0.199	0.000	0.19			48.6
1.018	S5049 - Headwall	35 93.675	-0.275	0.000	0.22			113.1
1.019	S5050 Control Chamber	22 93.674	0.224	0.000	0.13			12.3

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	OK
1.015	S5030	OK

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Summary Wizard of 720 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 960 minute 30 year Winter I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
1.000		S8142	60 96.760	-0.355	0.000	0.01	2.1	OK	
2.000		S8133	60 97.425	-0.285	0.000	0.01	1.6	OK	
1.001		S8134	60 96.151	-0.399	0.000	0.03	5.6	OK	
1.002		S8141	60 95.976	-0.469	0.000	0.03	7.9	OK	
1.003		S8139	60 95.783	-0.472	0.000	0.02	8.5	OK	
1.004		S8140	60 95.381	-0.464	0.000	0.03	11.7	OK	
1.005		S4008	60 95.204	-0.422	0.000	0.09	13.9	OK	
1.006		S4011	60 95.126	-0.463	0.000	0.03	14.4	OK	
1.007		S4012	60 94.639	-0.446	0.000	0.05	17.3	OK	
3.000		S8157	60 95.941	-0.364	0.000	0.01	1.5	OK	
3.001		S8159	60 95.065	-0.415	0.000	0.02	3.5	OK	
3.002		S8154	60 94.869	-0.471	0.000	0.02	6.7	OK	
3.003		S8155	60 94.691	-0.474	0.000	0.02	8.9	OK	
1.008		S5015	60 94.431	-0.414	0.000	0.10	28.8	OK	
1.009		S5016	60 94.277	-0.428	0.000	0.08	28.8	OK	
1.010	S5017 - PH4 Connection	60 94.108	-0.367	0.000	0.15	31.3	OK		
4.000		S5018	60 95.114	-0.290	0.000	0.01	1.4	OK	
1.011		S5019	60 94.058	-0.347	0.000	0.21	33.3	OK	
1.012	S5020 PH5 Connection	60 94.020	-0.345	0.000	0.26	34.3	OK		
1.013		S5021	60 93.825	-0.505	0.000	0.06	36.1	OK	

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Summary Wizard of 960 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 1440 minute 30 year Winter I+0% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

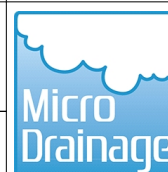
Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	66 96.754	-0.361	0.000	0.01		1.5	OK
2.000		S8133	66 97.421	-0.289	0.000	0.01		1.2	OK
1.001		S8134	66 96.146	-0.404	0.000	0.02		4.1	OK
1.002		S8141	66 95.967	-0.478	0.000	0.02		5.8	OK
1.003		S8139	66 95.770	-0.485	0.000	0.02		6.2	OK
1.004		S8140	66 95.374	-0.471	0.000	0.02		8.5	OK
1.005		S4008	66 95.185	-0.441	0.000	0.06		10.1	OK
1.006		S4011	66 95.119	-0.470	0.000	0.02		10.4	OK
1.007		S4012	66 94.627	-0.458	0.000	0.04		12.6	OK
3.000		S8157	66 95.938	-0.367	0.000	0.00		1.1	OK
3.001		S8159	66 95.056	-0.424	0.000	0.01		2.5	OK
3.002		S8154	66 94.857	-0.483	0.000	0.02		4.8	OK
3.003		S8155	66 94.677	-0.488	0.000	0.01		6.4	OK
1.008		S5015	66 94.413	-0.432	0.000	0.07		20.9	OK
1.009		S5016	66 94.260	-0.445	0.000	0.06		20.9	OK
1.010	S5017 - PH4 Connection	66 94.081	-0.394	0.000	0.11			22.7	OK
4.000		S5018	66 95.111	-0.293	0.000	0.01		1.0	OK
1.011		S5019	66 94.031	-0.374	0.000	0.15		24.2	OK
1.012	S5020 PH5 Connection	66 93.993	-0.372	0.000	0.19			24.9	OK
1.013		S5021	66 93.810	-0.520	0.000	0.04		26.3	OK

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PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)
5.000	S5036 - Headwall	S5023	66	94.093	-0.427	0.000	0.01	2.8
5.001		S5025	66	93.754	-0.406	0.000	0.02	4.6
6.000		S5026	66	94.306	-0.285	0.000	0.01	1.1
6.001		S5027	66	93.798	-0.337	0.000	0.02	2.8
5.002		S5028	54	93.669	-0.347	0.000	0.05	8.1
1.014		S5029	51	93.669	-0.301	0.000	0.13	35.5
1.015		S5030	48	93.668	-0.259	0.000	0.14	35.6
1.016		S8121	45	93.667	-0.220	0.000	0.16	36.9
1.017		S8122	42	93.666	-0.659	0.000	0.04	39.0
7.000		S8135	66	96.214	-0.401	0.000	0.02	2.9
7.001		S8136	66	96.156	-0.386	0.000	0.04	5.5
7.002		S8137	66	96.099	-0.375	0.000	0.06	7.9
7.003		S8161	66	96.040	-0.374	0.000	0.06	8.6
8.000		S8151	66	96.191	-0.266	0.000	0.03	2.2
7.004		S8162	66	95.963	-0.376	0.000	0.06	12.6
7.005		S8152	66	95.754	-0.446	0.000	0.06	14.1
9.000		S8144	66	96.264	-0.286	0.000	0.01	0.8
9.001		S8145	66	96.016	-0.359	0.000	0.01	1.9
7.006		S8146	66	95.639	-0.451	0.000	0.05	17.1
10.000		S8165	66	95.551	-0.444	0.000	0.00	0.5
10.001		S8164	66	95.430	-0.481	0.000	0.01	1.2
7.007		S8147	66	95.425	-0.455	0.000	0.04	19.5
7.008		S8150	66	95.109	-0.436	0.000	0.07	19.8
7.009		S8149	66	94.960	-0.406	0.000	0.12	22.1
11.000		S5037	66	95.169	-0.210	0.000	0.01	0.5
11.001		S5038	66	94.960	-0.274	0.000	0.02	1.1
11.002		S5039	66	94.888	-0.268	0.000	0.02	1.2
12.000	S5040	66	95.190	-0.193	0.000	0.05	2.0	
7.010	S5041	66	94.853	-0.450	0.000	0.05	25.9	
7.011	S5042	66	94.402	-0.453	0.000	0.05	26.8	
7.012	S5047	54	93.669	-0.351	0.000	0.09	28.4	
7.013	S8167	45	93.668	-0.188	0.000	0.10	28.3	
7.014	S5048 - Headwall	44	93.667	-0.208	0.000	0.11	28.2	
1.018	S5049 - Headwall	38	93.666	-0.284	0.000	0.13	65.6	
1.019	S5050 Control Chamber	26	93.665	0.215	0.000	0.13	12.3	

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	OK
1.015	S5030	OK

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Summary Wizard of 1440 minute 30 year Winter I+0% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	OK
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	OK
7.014	S5048 - Headwall	OK
1.018	S5049 - Headwall	OK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 15 minute 100 year Winter I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Pipe Flow (l/s)
1.000	S8142	1	97.720	0.605	0.000	0.31	57.8
2.000	S8133	1	97.736	0.026	0.000	0.29	45.4
1.001	S8134	1	97.682	1.132	0.000	0.78	141.8
1.002	S8141	1	97.651	1.206	0.000	0.64	195.5
1.003	S8139	1	97.605	1.350	0.000	0.46	178.2
1.004	S8140	1	97.545	1.700	0.000	0.55	198.4
1.005	S4008	1	97.498	1.872	0.000	1.51	245.4
1.006	S4011	1	97.440	1.851	0.000	0.51	223.7
1.007	S4012	1	97.312	2.227	0.000	0.82	258.4
3.000	S8157	1	97.137	0.832	0.000	0.16	39.3
3.001	S8159	1	97.110	1.630	11.645	0.53	112.4
3.002	S8154	1	97.182	1.842	0.000	0.49	142.0
3.003	S8155	1	97.163	1.998	0.000	0.36	157.1
1.008	S5015	1	97.154	2.309	0.000	1.45	411.4
1.009	S5016	1	96.956	2.251	0.000	1.09	401.3
1.010	S5017 - PH4 Connection	1	96.745	2.270	0.000	2.17	446.6
4.000	S5018	1	96.480	1.076	0.000	0.18	37.8
1.011	S5019	1	96.448	2.043	0.000	2.96	469.7
1.012	S5020 PH5 Connection	1	96.069	1.704	0.000	3.63	483.7
1.013	S5021	1	95.660	1.330	0.000	0.85	510.1

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Summary Wizard of 15 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
5.000		S5023	1 95.483	0.963	0.000	0.38		96.9
5.001		S5025	1 95.439	1.279	3.199	0.68		151.7
6.000		S5026	1 95.504	0.913	0.000	0.35		38.2
6.001		S5027	1 95.456	1.321	0.000	0.65		84.9
5.002		S5028	2 95.412	1.395	1.380	1.49		253.8
1.014		S5029	1 95.389	1.419	0.000	2.84		748.7
1.015		S5030	2 95.110	1.183	0.000	2.94		735.3
1.016		S8121	2 94.846	0.959	0.000	3.31		760.5
1.017	S5036 - Headwall	1	94.546	0.221	0.000	0.76		736.3
7.000		S8135	1 98.246	1.630	13.539	0.82		114.7
7.001		S8136	1 98.423	1.880	0.000	1.11		154.3
7.002		S8137	1 98.380	1.906	0.000	1.69		229.4
7.003		S8161	1 98.188	1.774	0.000	1.73		243.0
8.000		S8151	1 98.013	1.556	2.235	0.89		65.4
7.004		S8162	1 97.936	1.597	7.550	1.70		335.6
7.005		S8152	2 97.658	1.458	0.265	1.39		354.1
9.000		S8144	1 97.539	0.989	0.000	0.33		26.8
9.001		S8145	1 97.505	1.130	0.000	0.28		58.2
7.006		S8146	1 97.466	1.376	2.889	1.15		403.4
10.000		S8165	1 97.188	1.193	0.000	0.09		15.4
10.001		S8164	1 97.185	1.274	10.692	0.58		100.7
7.007		S8147	2 97.192	1.312	0.000	0.93		411.8
7.008		S8150	1 96.904	1.359	0.007	1.44		418.0
7.009		S8149	2 96.545	1.179	23.458	2.31		433.8
11.000		S5037	1 96.395	1.015	0.014	0.46		16.8
11.001		S5038	1 96.362	1.129	0.000	0.53		32.8
11.002		S5039	2 96.332	1.176	0.000	0.57		35.0
12.000		S5040	1 96.516	1.133	5.353	1.52		58.5
7.010		S5041	2 96.299	0.996	0.000	0.96		490.5
7.011		S5042	2 95.944	1.089	0.000	0.88		514.2
7.012		S5047	2 95.436	1.416	0.146	1.81		561.9
7.013		S8167	1 95.052	1.197	0.000	1.98		548.4
7.014	S5048 - Headwall	1	94.672	0.797	0.000	2.02		513.9
1.018	S5049 - Headwall	1	94.489	0.539	0.000	2.44		1227.7
1.019	S5050 Control Chamber	40	93.557	0.107	0.000	0.13		12.0

PN	US/MH Name	Status
5.000	S5023	SURCHARGED
5.001	S5025	FLOOD
6.000	S5026	SURCHARGED
6.001	S5027	FLOOD RISK
5.002	S5028	FLOOD
1.014	S5029	FLOOD RISK
1.015	S5030	SURCHARGED

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PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	FLOOD RISK
7.000	S8135	FLOOD
7.001	S8136	FLOOD RISK
7.002	S8137	FLOOD RISK
7.003	S8161	FLOOD RISK
8.000	S8151	FLOOD
7.004	S8162	FLOOD
7.005	S8152	FLOOD
9.000	S8144	SURCHARGED
9.001	S8145	FLOOD RISK
7.006	S8146	FLOOD
10.000	S8165	FLOOD RISK
10.001	S8164	FLOOD
7.007	S8147	FLOOD RISK
7.008	S8150	FLOOD
7.009	S8149	FLOOD
11.000	S5037	FLOOD
11.001	S5038	FLOOD RISK
11.002	S5039	FLOOD RISK
12.000	S5040	FLOOD
7.010	S5041	FLOOD RISK
7.011	S5042	FLOOD RISK
7.012	S5047	FLOOD
7.013	S8167	FLOOD RISK
7.014	S5048 - Headwall	FLOOD RISK
1.018	S5049 - Headwall	FLOOD RISK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 30 minute 100 year Winter I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)
1.000	S8142	2	97.514	0.399	0.000	0.25		46.2
2.000	S8133	2	97.524	-0.186	0.000	0.23		36.0
1.001	S8134	2	97.485	0.935	0.000	0.66		120.4
1.002	S8141	2	97.460	1.015	0.000	0.53		161.9
1.003	S8139	2	97.422	1.167	0.000	0.40		154.6
1.004	S8140	2	97.375	1.530	0.000	0.50		180.4
1.005	S4008	2	97.334	1.708	0.000	1.32		215.3
1.006	S4011	2	97.289	1.700	0.000	0.47		202.4
1.007	S4012	2	97.189	2.104	0.000	0.75		236.6
3.000	S8157	2	97.124	0.819	0.000	0.12		31.3
3.001	S8159	2	97.102	1.622	3.533	0.38		80.7
3.002	S8154	2	97.125	1.785	0.000	0.37		105.9
3.003	S8155	2	97.108	1.943	0.000	0.32		137.0
1.008	S5015	2	97.078	2.233	0.000	1.35		382.3
1.009	S5016	2	96.824	2.119	0.000	1.04		383.3
1.010	S5017 - PH4 Connection	2	96.584	2.109	0.000	2.00		413.4
4.000	S5018	2	96.331	0.927	0.000	0.15		29.7
1.011	S5019	2	96.303	1.898	0.000	2.79		442.8
1.012	S5020 PH5 Connection	2	95.971	1.606	0.000	3.42		456.0
1.013	S5021	2	95.611	1.281	0.000	0.80		480.6

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PN	US/MH Name	Status
1.000	S8142	SURCHARGED
2.000	S8133	OK
1.001	S8134	SURCHARGED
1.002	S8141	SURCHARGED
1.003	S8139	SURCHARGED
1.004	S8140	SURCHARGED
1.005	S4008	SURCHARGED
1.006	S4011	SURCHARGED
1.007	S4012	FLOOD RISK
3.000	S8157	SURCHARGED
3.001	S8159	FLOOD
3.002	S8154	FLOOD RISK
3.003	S8155	FLOOD RISK
1.008	S5015	SURCHARGED
1.009	S5016	SURCHARGED
1.010	S5017 - PH4 Connection	SURCHARGED
4.000	S5018	FLOOD RISK
1.011	S5019	SURCHARGED
1.012	S5020 PH5 Connection	FLOOD RISK
1.013	S5021	FLOOD RISK

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PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
5.000		S5023	2 95.475	0.955	0.000	0.30		77.9
5.001		S5025	2 95.439	1.279	3.015	0.56		123.7
6.000		S5026	2 95.492	0.900	0.000	0.26		27.4
6.001		S5027	2 95.451	1.316	0.000	0.53		70.0
5.002		S5028	1 95.412	1.396	1.669	1.22		208.7
1.014		S5029	2 95.375	1.405	0.000	2.61		686.8
1.015		S5030	1 95.126	1.199	0.000	2.75		688.6
1.016		S8121	1 94.851	0.964	0.000	3.11		715.2
1.017	S5036 - Headwall	2	94.536	0.211	0.000	0.75		730.5
7.000		S8135	4 98.237	1.622	4.953	0.68		95.4
7.001		S8136	4 98.220	1.677	0.000	1.03		143.1
7.002		S8137	4 98.175	1.701	0.000	1.41		191.7
7.003		S8161	3 98.085	1.671	0.000	1.45		202.6
8.000		S8151	4 98.011	1.554	0.173	0.83		60.6
7.004		S8162	3 97.931	1.591	2.384	1.48		292.3
7.005		S8152	3 97.641	1.441	0.000	1.28		325.9
9.000		S8144	4 97.521	0.971	0.000	0.27		21.9
9.001		S8145	4 97.495	1.120	0.000	0.27		55.8
7.006		S8146	4 97.463	1.373	0.268	1.14		402.5
10.000		S8165	2 97.186	1.191	0.000	0.08		12.6
10.001		S8164	2 97.183	1.272	8.496	0.46		79.3
7.007		S8147	3 97.189	1.309	0.000	0.93		411.1
7.008		S8150	2 96.903	1.358	0.000	1.43		416.2
7.009		S8149	1 96.550	1.185	29.017	2.23		417.6
11.000		S5037	2 96.392	1.012	0.000	0.38		13.9
11.001		S5038	2 96.361	1.128	0.000	0.47		29.2
11.002		S5039	1 96.332	1.176	0.000	0.55		34.2
12.000		S5040	2 96.515	1.132	4.197	1.23		47.3
7.010		S5041	1 96.301	0.998	0.000	0.90		460.8
7.011		S5042	1 95.965	1.110	0.000	0.82		482.1
7.012		S5047	1 95.437	1.417	1.059	1.68		524.1
7.013		S8167	2 95.049	1.193	0.000	1.87		519.3
7.014	S5048 - Headwall	2	94.662	0.787	0.000	1.97		500.1
1.018	S5049 - Headwall	2	94.475	0.525	0.000	2.43		1221.4
1.019	S5050 Control Chamber	24	93.668	0.218	0.000	0.13		12.3

PN	US/MH Name	Status
5.000	S5023	SURCHARGED
5.001	S5025	FLOOD
6.000	S5026	SURCHARGED
6.001	S5027	FLOOD RISK
5.002	S5028	FLOOD
1.014	S5029	FLOOD RISK
1.015	S5030	SURCHARGED

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Summary Wizard of 30 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	FLOOD RISK
7.000	S8135	FLOOD
7.001	S8136	SURCHARGED
7.002	S8137	SURCHARGED
7.003	S8161	FLOOD RISK
8.000	S8151	FLOOD
7.004	S8162	FLOOD
7.005	S8152	FLOOD RISK
9.000	S8144	SURCHARGED
9.001	S8145	FLOOD RISK
7.006	S8146	FLOOD
10.000	S8165	FLOOD RISK
10.001	S8164	FLOOD
7.007	S8147	FLOOD RISK
7.008	S8150	FLOOD RISK
7.009	S8149	FLOOD
11.000	S5037	FLOOD RISK
11.001	S5038	FLOOD RISK
11.002	S5039	FLOOD RISK
12.000	S5040	FLOOD
7.010	S5041	FLOOD RISK
7.011	S5042	FLOOD RISK
7.012	S5047	FLOOD
7.013	S8167	FLOOD RISK
7.014	S5048 - Headwall	FLOOD RISK
1.018	S5049 - Headwall	FLOOD RISK
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 60 minute 100 year Winter I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Overflow Cap. (l/s)	Pipe Flow (l/s)
1.000	S8142	8	96.841	-0.274	0.000	0.16	30.4
2.000	S8133	8	97.488	-0.222	0.000	0.15	23.5
1.001	S8134	6	96.444	-0.106	0.000	0.45	82.4
1.002	S8141	6	96.425	-0.020	0.000	0.38	116.3
1.003	S8139	6	96.397	0.142	0.000	0.32	121.6
1.004	S8140	6	96.362	0.517	0.000	0.41	146.8
1.005	S4008	6	96.331	0.705	0.000	1.03	166.6
1.006	S4011	6	96.295	0.706	0.000	0.40	172.1
1.007	S4012	6	96.227	1.142	0.000	0.61	194.5
3.000	S8157	6	96.218	-0.087	0.000	0.09	22.4
3.001	S8159	6	96.203	0.723	0.000	0.21	43.5
3.002	S8154	6	96.189	0.849	0.000	0.28	79.6
3.003	S8155	6	96.164	0.999	0.000	0.24	103.7
1.008	S5015	6	96.139	1.294	0.000	1.12	316.6
1.009	S5016	6	95.962	1.257	0.000	0.86	316.5
1.010	S5017 - PH4 Connection	6	95.791	1.316	0.000	1.67	344.3
4.000	S5018	6	95.608	0.204	0.000	0.10	19.7
1.011	S5019	6	95.589	1.184	0.000	2.31	366.6
1.012	S5020 PH5 Connection	6	95.361	0.996	0.000	2.83	377.7
1.013	S5021	6	95.121	0.791	0.000	0.66	397.8

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PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
5.000		S5023	6 95.059	0.539	0.000	0.21		54.3
5.001		S5025	6 95.033	0.873	0.000	0.39		86.8
6.000		S5026	6 95.060	0.468	0.000	0.19		20.1
6.001		S5027	6 95.032	0.897	0.000	0.39		51.2
5.002		S5028	6 95.003	0.986	0.000	0.88		150.7
1.014		S5029	6 94.964	0.994	0.000	2.10		553.8
1.015		S5030	6 94.769	0.842	0.000	2.24		560.9
1.016		S8121	6 94.578	0.691	0.000	2.54		583.4
1.017	S5036 - Headwall	6	94.371	0.046	0.000	0.63		611.1
7.000		S8135	6 97.203	0.588	0.000	0.40		56.5
7.001		S8136	6 97.181	0.638	0.000	0.75		103.3
7.002		S8137	6 97.141	0.667	0.000	1.08		146.4
7.003		S8161	6 97.081	0.667	0.000	1.11		155.1
8.000		S8151	6 97.040	0.583	0.000	0.59		43.3
7.004		S8162	6 96.999	0.660	0.000	1.15		226.9
7.005		S8152	6 96.831	0.631	0.000	0.97		248.0
9.000		S8144	6 96.791	0.241	0.000	0.19		15.8
9.001		S8145	6 96.777	0.402	0.000	0.18		36.7
7.006		S8146	6 96.760	0.670	0.000	0.82		288.5
10.000		S8165	6 96.625	0.630	0.000	0.05		8.5
10.001		S8164	6 96.622	0.711	0.000	0.16		27.2
7.007		S8147	6 96.619	0.739	0.000	0.73		323.8
7.008		S8150	6 96.440	0.895	0.000	1.12		326.9
7.009		S8149	6 96.217	0.852	0.000	1.94		364.3
11.000		S5037	6 96.041	0.661	0.000	0.25		9.4
11.001		S5038	6 96.022	0.789	0.000	0.29		17.9
11.002		S5039	6 96.004	0.849	0.000	0.36		22.2
12.000		S5040	6 96.211	0.828	0.000	0.92		35.2
7.010		S5041	6 95.985	0.682	0.000	0.83		424.8
7.011		S5042	6 95.681	0.826	0.000	0.75		437.3
7.012		S5047	6 95.220	1.200	0.000	1.48		461.6
7.013		S8167	6 94.859	1.004	0.000	1.66		461.3
7.014	S5048 - Headwall	6	94.499	0.624	0.000	1.80		457.9
1.018	S5049 - Headwall	6	94.326	0.376	0.000	2.12		1067.4
1.019	S5050 Control Chamber	19	93.778	0.328	0.000	0.13		12.3
PN	US/MH Name	Status						
5.000		S5023	SURCHARGED					
5.001		S5025	SURCHARGED					
6.000		S5026	SURCHARGED					
6.001		S5027	SURCHARGED					
5.002		S5028	SURCHARGED					
1.014		S5029	SURCHARGED					
1.015		S5030	SURCHARGED					

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Summary Wizard of 60 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	FLOOD RISK
7.000	S8135	SURCHARGED
7.001	S8136	SURCHARGED
7.002	S8137	SURCHARGED
7.003	S8161	SURCHARGED
8.000	S8151	SURCHARGED
7.004	S8162	SURCHARGED
7.005	S8152	SURCHARGED
9.000	S8144	SURCHARGED
9.001	S8145	SURCHARGED
7.006	S8146	SURCHARGED
10.000	S8165	SURCHARGED
10.001	S8164	SURCHARGED
7.007	S8147	SURCHARGED
7.008	S8150	SURCHARGED
7.009	S8149	SURCHARGED
11.000	S5037	SURCHARGED
11.001	S5038	SURCHARGED
11.002	S5039	SURCHARGED
12.000	S5040	FLOOD RISK
7.010	S5041	SURCHARGED
7.011	S5042	SURCHARGED
7.012	S5047	FLOOD RISK
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	FLOOD RISK
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 120 minute 100 year Winter I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)
1.000	S8142	13	96.819	-0.296	0.000	0.10		18.8
2.000	S8133	13	97.472	-0.238	0.000	0.09		14.6
1.001	S8134	13	96.261	-0.289	0.000	0.28		51.0
1.002	S8141	13	96.092	-0.353	0.000	0.24		72.1
1.003	S8139	13	95.889	-0.366	0.000	0.20		77.1
1.004	S8140	13	95.515	-0.330	0.000	0.30		106.4
1.005	S4008	13	95.451	-0.175	0.000	0.78		126.5
1.006	S4011	13	95.260	-0.329	0.000	0.30		130.7
1.007	S4012	12	95.076	-0.009	0.000	0.47		148.4
3.000	S8157	13	95.987	-0.318	0.000	0.06		13.9
3.001	S8159	13	95.146	-0.334	0.000	0.15		31.8
3.002	S8154	12	95.064	-0.276	0.000	0.21		59.6
3.003	S8155	12	95.043	-0.122	0.000	0.17		73.7
1.008	S5015	12	95.026	0.181	0.000	0.84		239.4
1.009	S5016	12	94.926	0.221	0.000	0.65		239.0
1.010	S5017 - PH4 Connection	10	94.842	0.367	0.000	1.26		259.4
4.000	S5018	13	95.153	-0.251	0.000	0.06		12.9
1.011	S5019	10	94.726	0.321	0.000	1.74		275.5
1.012	S5020 PH5 Connection	8	94.596	0.231	0.000	2.13		283.8
1.013	S5021	8	94.457	0.127	0.000	0.50		298.8

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Summary Wizard of 120 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Status
1.000	S8142	OK
2.000	S8133	OK
1.001	S8134	OK
1.002	S8141	OK
1.003	S8139	OK
1.004	S8140	OK
1.005	S4008	OK
1.006	S4011	OK
1.007	S4012	OK
3.000	S8157	OK
3.001	S8159	OK
3.002	S8154	OK
3.003	S8155	OK
1.008	S5015	SURCHARGED
1.009	S5016	SURCHARGED
1.010	S5017 - PH4 Connection	SURCHARGED
4.000	S5018	OK
1.011	S5019	SURCHARGED
1.012	S5020 PH5 Connection	SURCHARGED
1.013	S5021	SURCHARGED

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Summary Wizard of 120 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
			Level (m)	Depth (m)	Volume (m³)			
5.000	S5023	8	94.454	-0.066	0.000	0.13		34.5
5.001	S5025	8	94.437	0.277	0.000	0.24		53.5
6.000	S5026	8	94.454	-0.138	0.000	0.13		13.5
6.001	S5027	8	94.436	0.301	0.000	0.24		32.0
5.002	S5028	8	94.417	0.401	0.000	0.55		93.8
1.014	S5029	8	94.392	0.422	0.000	1.54		405.8
1.015	S5030	8	94.303	0.376	0.000	1.63		409.2
1.016	S8121	8	94.217	0.330	0.000	1.85		425.5
1.017	S5036 - Headwall	8	94.164	-0.161	0.000	0.46		446.5
7.000	S8135	13	96.400	-0.215	0.000	0.26		36.8
7.001	S8136	13	96.378	-0.165	0.000	0.49		68.5
7.002	S8137	13	96.336	-0.137	0.000	0.72		98.0
7.003	S8161	13	96.277	-0.137	0.000	0.76		106.9
8.000	S8151	13	96.284	-0.173	0.000	0.38		27.7
7.004	S8162	13	96.195	-0.144	0.000	0.80		157.0
7.005	S8152	13	95.997	-0.203	0.000	0.69		174.7
9.000	S8144	13	96.319	-0.231	0.000	0.12		9.8
9.001	S8145	13	96.085	-0.290	0.000	0.12		23.9
7.006	S8146	13	95.861	-0.229	0.000	0.60		212.6
10.000	S8165	13	95.643	-0.352	0.000	0.04		5.8
10.001	S8164	13	95.636	-0.275	0.000	0.08		14.5
7.007	S8147	13	95.633	-0.247	0.000	0.55		242.4
7.008	S8150	13	95.543	-0.002	0.000	0.84		244.0
7.009	S8149	12	95.413	0.047	0.000	1.45		272.2
11.000	S5037	13	95.217	-0.163	0.000	0.17		6.3
11.001	S5038	12	95.110	-0.123	0.000	0.23		14.2
11.002	S5039	12	95.096	-0.060	0.000	0.24		14.9
12.000	S5040	13	95.288	-0.094	0.000	0.63		24.4
7.010	S5041	12	95.080	-0.223	0.000	0.62		318.6
7.011	S5042	11	94.876	0.021	0.000	0.56		328.9
7.012	S5047	10	94.618	0.598	0.000	1.12		347.2
7.013	S8167	10	94.418	0.563	0.000	1.25		347.3
7.014	S5048 - Headwall	9	94.217	0.342	0.000	1.36		346.1
1.018	S5049 - Headwall	9	94.120	0.170	0.000	1.57		790.6
1.019	S5050 Control Chamber	16	93.883	0.433	0.000	0.13		12.3

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	SURCHARGED
6.000	S5026	OK
6.001	S5027	SURCHARGED
5.002	S5028	SURCHARGED
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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Summary Wizard of 120 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	SURCHARGED
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	SURCHARGED
7.012	S5047	SURCHARGED
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 180 minute 100 year Winter I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Overflow Cap. (l/s)	Pipe Flow (l/s)
1.000	S8142	17	96.807	-0.308	0.000	0.07	14.0
2.000	S8133	17	97.462	-0.248	0.000	0.07	10.8
1.001	S8134	17	96.239	-0.311	0.000	0.21	37.9
1.002	S8141	17	96.067	-0.378	0.000	0.18	53.6
1.003	S8139	17	95.865	-0.390	0.000	0.15	57.3
1.004	S8140	17	95.486	-0.359	0.000	0.22	79.0
1.005	S4008	17	95.388	-0.238	0.000	0.58	93.8
1.006	S4011	17	95.232	-0.357	0.000	0.22	97.0
1.007	S4012	17	94.780	-0.305	0.000	0.37	116.7
3.000	S8157	17	95.979	-0.326	0.000	0.04	10.3
3.001	S8159	17	95.130	-0.350	0.000	0.11	23.6
3.002	S8154	17	94.953	-0.387	0.000	0.16	45.1
3.003	S8155	17	94.769	-0.396	0.000	0.14	60.1
1.008	S5015	17	94.651	-0.194	0.000	0.68	193.6
1.009	S5016	17	94.568	-0.137	0.000	0.53	193.5
1.010	S5017 - PH4 Connection	17	94.513	0.038	0.000	1.02	210.2
4.000	S5018	17	95.146	-0.258	0.000	0.05	9.6
1.011	S5019	17	94.441	0.036	0.000	1.41	223.2
1.012	S5020 PH5 Connection	17	94.377	0.012	0.000	1.73	230.1
1.013	S5021	17	94.186	-0.144	0.000	0.40	241.2

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Summary Wizard of 180 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Status
1.000	S8142	OK
2.000	S8133	OK
1.001	S8134	OK
1.002	S8141	OK
1.003	S8139	OK
1.004	S8140	OK
1.005	S4008	OK
1.006	S4011	OK
1.007	S4012	OK
3.000	S8157	OK
3.001	S8159	OK
3.002	S8154	OK
3.003	S8155	OK
1.008	S5015	OK
1.009	S5016	OK
1.010	S5017 - PH4 Connection	SURCHARGED
4.000	S5018	OK
1.011	S5019	SURCHARGED
1.012	S5020 PH5 Connection	SURCHARGED
1.013	S5021	OK

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Summary Wizard of 180 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
5.000		S5023	17 94.201	-0.319	0.000	0.10		26.0
5.001		S5025	17 94.175	0.015	0.000	0.18		40.7
6.000		S5026	17 94.354	-0.238	0.000	0.10		10.3
6.001		S5027	17 94.175	0.040	0.000	0.19		24.9
5.002		S5028	17 94.160	0.144	0.000	0.42		71.9
1.014		S5029	17 94.141	0.171	0.000	1.23		323.8
1.015		S5030	20 94.088	0.161	0.000	1.31		327.4
1.016		S8121	22 94.037	0.150	0.000	1.48		340.3
1.017	S5036 - Headwall	25 94.006	-0.319	0.000	0.37			356.9
7.000		S8135	17 96.351	-0.264	0.000	0.20		27.4
7.001		S8136	17 96.324	-0.219	0.000	0.37		50.9
7.002		S8137	17 96.279	-0.194	0.000	0.54		72.9
7.003		S8161	17 96.220	-0.194	0.000	0.57		79.7
8.000		S8151	17 96.265	-0.192	0.000	0.28		20.6
7.004		S8162	17 96.139	-0.200	0.000	0.59		117.0
7.005		S8152	17 95.942	-0.258	0.000	0.51		130.4
9.000		S8144	17 96.310	-0.240	0.000	0.09		7.3
9.001		S8145	17 96.074	-0.301	0.000	0.09		17.8
7.006		S8146	17 95.812	-0.278	0.000	0.45		158.6
10.000		S8165	17 95.609	-0.386	0.000	0.03		4.3
10.001		S8164	17 95.590	-0.321	0.000	0.06		10.8
7.007		S8147	17 95.588	-0.292	0.000	0.41		181.1
7.008		S8150	17 95.437	-0.108	0.000	0.63		183.3
7.009		S8149	16 95.365	0.000	0.000	1.09		205.1
11.000		S5037	17 95.208	-0.172	0.000	0.13		4.7
11.001		S5038	17 95.056	-0.178	0.000	0.17		10.5
11.002		S5039	17 95.041	-0.115	0.000	0.18		11.2
12.000		S5040	17 95.267	-0.116	0.000	0.47		18.2
7.010		S5041	17 95.030	-0.273	0.000	0.47		239.9
7.011		S5042	17 94.567	-0.288	0.000	0.42		247.1
7.012		S5047	17 94.242	0.222	0.000	0.83		259.8
7.013		S8167	18 94.130	0.274	0.000	0.94		260.0
7.014	S5048 - Headwall	23 94.023	0.148	0.000	1.02			258.4
1.018	S5049 - Headwall	28 93.971	0.021	0.000	1.20			606.4
1.019	S5050 Control Chamber	13 93.940	0.490	0.000	0.13			12.3

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	SURCHARGED
6.000	S5026	OK
6.001	S5027	SURCHARGED
5.002	S5028	SURCHARGED
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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Summary Wizard of 240 minute 100 year Winter I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Pipe Flow (l/s)
1.000	S8142	22	96.799	-0.316	0.000	0.06	11.2
2.000	S8133	22	97.456	-0.254	0.000	0.06	8.7
1.001	S8134	21	96.222	-0.328	0.000	0.17	30.3
1.002	S8141	21	96.050	-0.395	0.000	0.14	42.9
1.003	S8139	21	95.850	-0.405	0.000	0.12	45.9
1.004	S8140	20	95.468	-0.377	0.000	0.18	63.3
1.005	S4008	20	95.352	-0.274	0.000	0.46	75.3
1.006	S4011	20	95.213	-0.376	0.000	0.18	77.9
1.007	S4012	19	94.754	-0.331	0.000	0.30	93.7
3.000	S8157	22	95.974	-0.331	0.000	0.03	8.2
3.001	S8159	21	95.120	-0.360	0.000	0.09	18.9
3.002	S8154	21	94.938	-0.402	0.000	0.13	36.1
3.003	S8155	20	94.756	-0.409	0.000	0.11	48.1
1.008	S5015	19	94.600	-0.245	0.000	0.55	155.6
1.009	S5016	19	94.510	-0.195	0.000	0.42	155.5
1.010	S5017 - PH4 Connection	19	94.468	-0.007	0.000	0.82	168.9
4.000	S5018	22	95.141	-0.263	0.000	0.04	7.7
1.011	S5019	19	94.410	0.005	0.000	1.13	179.5
1.012	S5020 PH5 Connection	19	94.365	0.000	0.000	1.39	185.0
1.013	S5021	27	94.010	-0.320	0.000	0.32	194.8

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Summary Wizard of 240 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Status
1.000	S8142	OK
2.000	S8133	OK
1.001	S8134	OK
1.002	S8141	OK
1.003	S8139	OK
1.004	S8140	OK
1.005	S4008	OK
1.006	S4011	OK
1.007	S4012	OK
3.000	S8157	OK
3.001	S8159	OK
3.002	S8154	OK
3.003	S8155	OK
1.008	S5015	OK
1.009	S5016	OK
1.010	S5017 - PH4 Connection	OK
4.000	S5018	OK
1.011	S5019	SURCHARGED
1.012	S5020 PH5 Connection	OK
1.013	S5021	OK

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Summary Wizard of 240 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)
5.000		S5023	22 94.155	-0.365	0.000	0.08		21.0
5.001		S5025	28 94.002	-0.158	0.000	0.15		33.9
6.000		S5026	22 94.347	-0.245	0.000	0.08		8.3
6.001		S5027	28 94.002	-0.133	0.000	0.16		20.7
5.002		S5028	28 93.996	-0.020	0.000	0.35		60.1
1.014		S5029	27 93.994	0.024	0.000	1.00		263.4
1.015		S5030	27 93.989	0.062	0.000	1.06		266.5
1.016		S8121	28 93.985	0.098	0.000	1.20		277.0
1.017	S5036 - Headwall	28 93.982	-0.343	0.000	0.30			292.4
7.000		S8135	21 96.324	-0.291	0.000	0.16		21.9
7.001		S8136	20 96.293	-0.250	0.000	0.29		40.9
7.002		S8137	19 96.247	-0.227	0.000	0.43		58.5
7.003		S8161	19 96.188	-0.226	0.000	0.46		63.9
8.000		S8151	22 96.253	-0.204	0.000	0.22		16.5
7.004		S8162	19 96.108	-0.231	0.000	0.48		93.9
7.005		S8152	19 95.909	-0.291	0.000	0.41		104.6
9.000		S8144	22 96.302	-0.248	0.000	0.07		5.8
9.001		S8145	21 96.064	-0.311	0.000	0.07		14.2
7.006		S8146	19 95.783	-0.307	0.000	0.36		127.3
10.000		S8165	19 95.596	-0.399	0.000	0.02		3.5
10.001		S8164	19 95.563	-0.348	0.000	0.05		8.7
7.007		S8147	19 95.561	-0.319	0.000	0.33		145.3
7.008		S8150	19 95.308	-0.237	0.000	0.51		146.8
7.009		S8149	19 95.223	-0.143	0.000	0.88		164.3
11.000		S5037	22 95.202	-0.177	0.000	0.10		3.8
11.001		S5038	19 95.031	-0.202	0.000	0.14		8.5
11.002		S5039	19 95.010	-0.146	0.000	0.15		9.0
12.000		S5040	22 95.253	-0.129	0.000	0.38		14.6
7.010		S5041	19 95.000	-0.303	0.000	0.37		192.2
7.011		S5042	19 94.541	-0.314	0.000	0.34		198.5
7.012		S5047	27 93.991	-0.029	0.000	0.68		210.2
7.013		S8167	28 93.987	0.131	0.000	0.76		210.2
7.014	S5048 - Headwall	28 93.983	0.108	0.000	0.83			210.2
1.018	S5049 - Headwall	27 93.980	0.030	0.000	0.99			500.0
1.019	S5050 Control Chamber	11 93.978	0.528	0.000	0.13			12.3

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	OK
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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<u>Summary Wizard of 240 minute 100 year Winter I+40% for Surface Network 5</u>		
	US/MH	
PN	Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	OK
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	SURCHARGED
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Simulation Criteria

Number of Input Hydrographs	0	Number of Storage Structures	1
Number of Online Controls	1	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

Synthetic Rainfall Details

```
Margin for Flood Risk Warning (mm) 300.0      DVD Status OFF
      Analysis Timestep      Fine Inertia Status OFF
      DTS Status      ON
```

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Storm Rank	Water	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Pipe	Status
			Level (m)	Depth (m)	Volume (m³)			Flow (l/s)	
1.000	S5017 - PH4 Connection	S8142	30	96.790	-0.325	0.000	0.04	8.1	OK
2.000		S8133	30	97.449	-0.261	0.000	0.04	6.3	OK
1.001		S8134	30	96.203	-0.347	0.000	0.12	22.0	OK
1.002		S8141	30	96.031	-0.414	0.000	0.10	31.1	OK
1.003		S8139	30	95.833	-0.422	0.000	0.09	33.3	OK
1.004		S8140	29	95.444	-0.401	0.000	0.13	45.9	OK
1.005		S4008	29	95.310	-0.316	0.000	0.34	54.6	OK
1.006		S4011	29	95.189	-0.400	0.000	0.13	56.5	OK
1.007		S4012	29	94.724	-0.361	0.000	0.21	67.9	OK
3.000		S8157	30	95.969	-0.336	0.000	0.02	6.0	OK
3.001	S5020 PH5 Connection	S8159	30	95.104	-0.376	0.000	0.06	13.7	OK
3.002		S8154	29	94.921	-0.419	0.000	0.09	26.2	OK
3.003		S8155	29	94.739	-0.426	0.000	0.08	34.9	OK
1.008	S5021	S5015	29	94.550	-0.295	0.000	0.40	113.0	OK
1.009		S5016	28	94.399	-0.306	0.000	0.31	112.7	OK
1.010		S5017	28	94.348	-0.127	0.000	0.59	122.2	OK
4.000		S5018	30	95.137	-0.267	0.000	0.03	5.6	OK
1.011		S5019	28	94.313	-0.092	0.000	0.82	129.4	OK
1.012		S5020	28	94.276	-0.089	0.000	1.00	133.3	OK
1.013		S5021	23	94.041	-0.289	0.000	0.23	140.4	OK

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Summary Wizard of 360 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	SURCHARGED
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 480 minute 100 year Winter I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
Hot Start Level (mm) 0 Inlet Coefficient 0.800
Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
Number of Online Controls 1 Number of Time/Area Diagrams 0
Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
Region England and Wales Cv (Summer) 0.750
M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
Analysis Timestep Fine Inertia Status OFF
DTS Status ON

Profile(s) Summer and Winter
Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
Return Period(s) (years) 1, 30, 100
Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	34 96.785	-0.330	0.000	0.03		6.4	OK
2.000		S8133	34 97.445	-0.265	0.000	0.03		5.0	OK
1.001		S8134	34 96.193	-0.357	0.000	0.10		17.5	OK
1.002		S8141	34 96.019	-0.426	0.000	0.08		24.8	OK
1.003		S8139	34 95.820	-0.435	0.000	0.07		26.5	OK
1.004		S8140	34 95.431	-0.414	0.000	0.10		36.5	OK
1.005		S4008	34 95.285	-0.341	0.000	0.27		43.4	OK
1.006		S4011	34 95.176	-0.413	0.000	0.10		44.9	OK
1.007		S4012	34 94.705	-0.380	0.000	0.17		54.1	OK
3.000		S8157	34 95.964	-0.341	0.000	0.02		4.8	OK
3.001		S8159	34 95.095	-0.385	0.000	0.05		10.9	OK
3.002		S8154	34 94.907	-0.433	0.000	0.07		20.8	OK
3.003		S8155	34 94.726	-0.439	0.000	0.06		27.7	OK
1.008		S5015	34 94.522	-0.323	0.000	0.32		89.9	OK
1.009		S5016	34 94.355	-0.350	0.000	0.24		89.9	OK
1.010	S5017 - PH4 Connection	34 94.275	-0.200	0.000	0.47			97.8	OK
4.000		S5018	34 95.134	-0.270	0.000	0.02		4.4	OK
1.011		S5019	34 94.236	-0.169	0.000	0.66		103.9	OK
1.012	S5020 PH5 Connection	34 94.198	-0.167	0.000	0.80			107.2	OK
1.013		S5021	22 94.071	-0.259	0.000	0.19		112.8	OK

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PN	US/MH Name	Storm Rank	Water		Surcharged	Flooded		Pipe Flow (1/s)
			Level (m)	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (1/s)	
5.000	S5036 - Headwall	S5023	34	94.132	-0.388	0.000	0.05	12.1
5.001		S5025	22	94.070	-0.090	0.000	0.09	19.5
6.000		S5026	34	94.332	-0.260	0.000	0.04	4.8
6.001		S5027	22	94.070	-0.065	0.000	0.09	11.9
5.002		S5028	22	94.069	0.053	0.000	0.20	34.2
1.014		S5029	22	94.069	0.099	0.000	0.57	151.1
1.015		S5030	22	94.066	0.139	0.000	0.61	151.7
1.016		S8121	21	94.063	0.176	0.000	0.68	156.7
1.017		S8122	21	94.063	0.176	0.000	0.68	156.7
7.000		S8135	34	96.276	-0.339	0.000	0.09	12.7
7.001		S8136	34	96.237	-0.306	0.000	0.17	23.6
7.002		S8137	34	96.187	-0.287	0.000	0.25	33.8
7.003		S8161	34	96.128	-0.286	0.000	0.26	36.9
8.000		S8151	34	96.228	-0.229	0.000	0.13	9.5
7.004		S8162	34	96.049	-0.290	0.000	0.27	54.3
7.005		S8152	34	95.848	-0.352	0.000	0.24	60.5
9.000		S8144	34	96.289	-0.261	0.000	0.04	3.4
9.001		S8145	34	96.048	-0.327	0.000	0.04	8.2
7.006		S8146	34	95.727	-0.363	0.000	0.21	73.6
10.000		S8165	34	95.572	-0.423	0.000	0.01	2.0
10.001		S8164	34	95.510	-0.401	0.000	0.03	5.0
7.007		S8147	34	95.509	-0.371	0.000	0.19	84.0
7.008		S8150	34	95.215	-0.330	0.000	0.29	85.0
7.009		S8149	34	95.105	-0.260	0.000	0.51	95.3
11.000	S5037	34	95.190	-0.190	0.000	0.06	2.2	
11.001	S5038	34	94.995	-0.238	0.000	0.08	4.9	
11.002	S5039	34	94.952	-0.204	0.000	0.08	5.2	
12.000	S5040	34	95.229	-0.154	0.000	0.22	8.4	
7.010	S5041	34	94.943	-0.360	0.000	0.22	111.6	
7.011	S5042	34	94.487	-0.368	0.000	0.20	115.1	
7.012	S5047	22	94.067	0.047	0.000	0.39	121.6	
7.013	S8167	22	94.064	0.209	0.000	0.44	121.1	
7.014	S5048 - Headwall	20	94.062	0.187	0.000	0.47	120.7	
1.018	S5049 - Headwall	18	94.061	0.111	0.000	0.55	275.4	
1.019	S5050 Control Chamber	5	94.060	0.610	0.000	0.13	12.3	

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	SURCHARGED
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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Summary Wizard of 480 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	SURCHARGED
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 600 minute 100 year Winter I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Pipe Overflow (l/s)	Status
1.000		S8142 39	96.782	-0.333	0.000	0.03	5.4	OK
2.000		S8133 39	97.443	-0.267	0.000	0.03	4.2	OK
1.001		S8134 39	96.184	-0.366	0.000	0.08	14.6	OK
1.002		S8141 39	96.009	-0.436	0.000	0.07	20.7	OK
1.003		S8139 39	95.811	-0.444	0.000	0.06	22.2	OK
1.004		S8140 39	95.422	-0.423	0.000	0.09	30.6	OK
1.005		S4008 39	95.268	-0.358	0.000	0.22	36.4	OK
1.006		S4011 39	95.167	-0.422	0.000	0.09	37.6	OK
1.007		S4012 39	94.691	-0.394	0.000	0.14	45.3	OK
3.000		S8157 39	95.958	-0.347	0.000	0.02	4.0	OK
3.001		S8159 39	95.090	-0.390	0.000	0.04	9.1	OK
3.002		S8154 39	94.898	-0.442	0.000	0.06	17.4	OK
3.003		S8155 39	94.718	-0.447	0.000	0.05	23.2	OK
1.008		S5015 39	94.503	-0.342	0.000	0.27	75.3	OK
1.009		S5016 39	94.340	-0.365	0.000	0.20	75.3	OK
1.010	S5017 - PH4 Connection	38	94.235	-0.240	0.000	0.40	81.9	OK
4.000		S5018 39	95.130	-0.274	0.000	0.02	3.7	OK
1.011		S5019 38	94.194	-0.211	0.000	0.55	87.0	OK
1.012	S5020 PH5 Connection	38	94.156	-0.209	0.000	0.67	89.8	OK
1.013		S5021 21	94.086	-0.244	0.000	0.16	94.6	OK

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Summary Wizard of 600 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	SURCHARGED
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 720 minute 100 year Winter I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

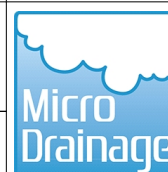
Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142 42	96.780	-0.335	0.000	0.02		4.7	OK
2.000		S8133 42	97.441	-0.269	0.000	0.02		3.6	OK
1.001		S8134 42	96.177	-0.373	0.000	0.07		12.7	OK
1.002		S8141 42	96.002	-0.443	0.000	0.06		17.9	OK
1.003		S8139 42	95.805	-0.450	0.000	0.05		19.2	OK
1.004		S8140 42	95.413	-0.432	0.000	0.07		26.4	OK
1.005		S4008 42	95.257	-0.369	0.000	0.19		31.4	OK
1.006		S4011 42	95.158	-0.431	0.000	0.07		32.5	OK
1.007		S4012 42	94.682	-0.403	0.000	0.12		39.1	OK
3.000		S8157 42	95.954	-0.351	0.000	0.01		3.4	OK
3.001		S8159 42	95.086	-0.394	0.000	0.04		7.9	OK
3.002		S8154 42	94.892	-0.448	0.000	0.05		15.1	OK
3.003		S8155 42	94.712	-0.453	0.000	0.05		20.1	OK
1.008		S5015 42	94.490	-0.355	0.000	0.23		65.0	OK
1.009		S5016 42	94.328	-0.377	0.000	0.18		65.0	OK
1.010	S5017 - PH4 Connection	42	94.208	-0.267	0.000	0.34		70.8	OK
4.000		S5018 42	95.126	-0.278	0.000	0.02		3.2	OK
1.011		S5019 42	94.166	-0.239	0.000	0.47		75.2	OK
1.012	S5020 PH5 Connection	43	94.128	-0.237	0.000	0.58		77.6	OK
1.013		S5021 20	94.100	-0.230	0.000	0.14		81.8	OK

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				Water	Surcharged	Flooded		Pipe
	US/MH	Storm	Level	Depth	Volume	Flow /	Overflow	Flow
PN	Name	Rank	(m)	(m)	(m³)	Cap.	(l/s)	(l/s)
5.000		S5023	43	94.124	-0.396	0.000	0.03	8.8
5.001		S5025	20	94.099	-0.061	0.000	0.06	14.1
6.000		S5026	42	94.327	-0.265	0.000	0.03	3.4
6.001		S5027	20	94.099	-0.036	0.000	0.07	8.6
5.002		S5028	20	94.099	0.082	0.000	0.14	24.7
1.014		S5029	20	94.098	0.128	0.000	0.41	109.3
1.015		S5030	19	94.096	0.169	0.000	0.44	109.6
1.016		S8121	17	94.094	0.207	0.000	0.49	113.3
1.017	S5036 - Headwall	16	94.093	-0.232	0.000	0.12		120.0
7.000		S8135	42	96.258	-0.357	0.000	0.07	9.2
7.001		S8136	42	96.213	-0.330	0.000	0.12	17.1
7.002		S8137	42	96.162	-0.312	0.000	0.18	24.5
7.003		S8161	42	96.103	-0.311	0.000	0.19	26.7
8.000		S8151	42	96.218	-0.239	0.000	0.09	6.9
7.004		S8162	42	96.025	-0.314	0.000	0.20	39.3
7.005		S8152	42	95.820	-0.380	0.000	0.17	43.8
9.000		S8144	42	96.284	-0.266	0.000	0.03	2.4
9.001		S8145	42	96.042	-0.333	0.000	0.03	5.9
7.006		S8146	42	95.700	-0.390	0.000	0.15	53.2
10.000		S8165	42	95.564	-0.431	0.000	0.01	1.5
10.001		S8164	42	95.486	-0.426	0.000	0.02	3.6
7.007		S8147	42	95.483	-0.397	0.000	0.14	60.8
7.008		S8150	42	95.183	-0.362	0.000	0.21	61.5
7.009		S8149	42	95.060	-0.305	0.000	0.37	69.0
11.000		S5037	42	95.184	-0.195	0.000	0.04	1.6
11.001		S5038	42	94.982	-0.252	0.000	0.06	3.5
11.002		S5039	42	94.929	-0.227	0.000	0.06	3.8
12.000		S5040	42	95.217	-0.166	0.000	0.16	6.1
7.010		S5041	42	94.916	-0.387	0.000	0.16	80.8
7.011		S5042	42	94.461	-0.394	0.000	0.14	83.3
7.012		S5047	20	94.097	0.077	0.000	0.28	87.9
7.013		S8167	20	94.095	0.240	0.000	0.32	87.6
7.014	S5048 - Headwall	17	94.094	0.219	0.000	0.34		87.4
1.018	S5049 - Headwall	13	94.093	0.143	0.000	0.40		199.6
1.019	S5050 Control Chamber	3	94.092	0.642	0.000	0.13		12.3

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	SURCHARGED
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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Summary Wizard of 720 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Status
1.016		SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	SURCHARGED
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 960 minute 100 year Winter I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

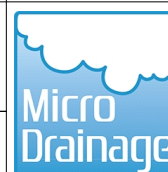
Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	47 96.775	-0.340	0.000	0.02		3.7	OK
2.000		S8133	47 97.436	-0.274	0.000	0.02		2.9	OK
1.001		S8134	47 96.168	-0.382	0.000	0.06		10.0	OK
1.002		S8141	47 95.992	-0.453	0.000	0.05		14.2	OK
1.003		S8139	47 95.797	-0.458	0.000	0.04		15.2	OK
1.004		S8140	47 95.402	-0.443	0.000	0.06		21.0	OK
1.005		S4008	47 95.237	-0.389	0.000	0.15		25.0	OK
1.006		S4011	47 95.146	-0.443	0.000	0.06		25.8	OK
1.007		S4012	47 94.670	-0.415	0.000	0.10		31.1	OK
3.000		S8157	47 95.949	-0.356	0.000	0.01		2.7	OK
3.001		S8159	47 95.081	-0.399	0.000	0.03		6.3	OK
3.002		S8154	47 94.883	-0.457	0.000	0.04		12.0	OK
3.003		S8155	47 94.705	-0.460	0.000	0.04		15.9	OK
1.008		S5015	47 94.470	-0.375	0.000	0.18		51.6	OK
1.009		S5016	47 94.310	-0.395	0.000	0.14		51.6	OK
1.010	S5017 - PH4 Connection		47 94.173	-0.302	0.000	0.27		56.2	OK
4.000		S5018	47 95.122	-0.282	0.000	0.01		2.5	OK
1.011		S5019	48 94.128	-0.277	0.000	0.38		59.7	OK
1.012	S5020 PH5 Connection		44 94.120	-0.245	0.000	0.46		61.6	OK
1.013		S5021	19 94.119	-0.211	0.000	0.11		64.9	OK

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PN	US/MH Name	Storm Rank	Water		Surcharged	Flooded	Flow / Cap.	Overflow (1/s)	Pipe Flow (1/s)
			Level (m)	Depth (m)	Volume (m³)				
5.000	S5036 - Headwall	S5023	48	94.119	-0.401	0.000	0.03		7.0
5.001		S5025	19	94.118	-0.042	0.000	0.05		11.2
6.000		S5026	47	94.324	-0.268	0.000	0.03		2.7
6.001		S5027	19	94.118	-0.017	0.000	0.05		6.8
5.002		S5028	19	94.118	0.102	0.000	0.11		19.6
1.014		S5029	19	94.117	0.147	0.000	0.33		86.7
1.015		S5030	17	94.116	0.189	0.000	0.35		86.8
1.016		S8121	15	94.114	0.227	0.000	0.39		89.6
1.017		S8122	14	94.114	-0.211	0.000	0.10		94.7
7.000		S8135	47	96.245	-0.370	0.000	0.05		7.3
7.001		S8136	47	96.198	-0.344	0.000	0.10		13.5
7.002		S8137	47	96.145	-0.329	0.000	0.14		19.4
7.003		S8161	47	96.086	-0.328	0.000	0.15		21.2
8.000		S8151	47	96.211	-0.246	0.000	0.07		5.4
7.004		S8162	47	96.008	-0.331	0.000	0.16		31.2
7.005		S8152	47	95.803	-0.397	0.000	0.14		34.7
9.000		S8144	47	96.281	-0.269	0.000	0.02		1.9
9.001		S8145	47	96.038	-0.337	0.000	0.02		4.7
7.006		S8146	47	95.685	-0.405	0.000	0.12		42.3
10.000		S8165	47	95.560	-0.435	0.000	0.01		1.2
10.001		S8164	47	95.472	-0.439	0.000	0.02		2.9
7.007		S8147	47	95.470	-0.410	0.000	0.11		48.3
7.008		S8150	47	95.164	-0.381	0.000	0.17		48.9
7.009		S8149	47	95.033	-0.332	0.000	0.29		54.7
11.000		S5037	47	95.181	-0.198	0.000	0.03		1.2
11.001	S5038	47	94.975	-0.258	0.000	0.05		2.8	
11.002	S5039	47	94.917	-0.239	0.000	0.05		3.0	
12.000	S5040	47	95.210	-0.172	0.000	0.13		4.8	
7.010	S5041	47	94.901	-0.402	0.000	0.12		64.1	
7.011	S5042	47	94.447	-0.408	0.000	0.11		66.1	
7.012	S5047	19	94.116	0.096	0.000	0.22		69.8	
7.013	S8167	19	94.115	0.260	0.000	0.25		69.5	
7.014	S5048 - Headwall	15	94.114	0.239	0.000	0.27		69.4	
1.018	S5049 - Headwall	12	94.113	0.163	0.000	0.31		158.0	
1.019	S5050 Control Chamber	2	94.112	0.662	0.000	0.13		12.3	

PN	US/MH Name	Status
5.000	S5023	OK
5.001	S5025	OK
6.000	S5026	OK
6.001	S5027	OK
5.002	S5028	SURCHARGED
1.014	S5029	SURCHARGED
1.015	S5030	SURCHARGED

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Summary Wizard of 960 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Status
1.016	S8121	SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	SURCHARGED
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	SURCHARGED

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Summary Wizard of 1440 minute 100 year Winter I+40% for Surface Network 5

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 0.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.411
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.500 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status OFF
 Analysis Timestep Fine Inertia Status OFF
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440
 Return Period(s) (years) 1, 30, 100
 Climate Change (%) 0, 0, 40

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap. (l/s)	Overflow (l/s)	Pipe Flow (l/s)	Status
1.000		S8142	57 96.765	-0.350	0.000	0.01		2.7	OK
2.000		S8133	57 97.429	-0.281	0.000	0.01		2.1	OK
1.001		S8134	57 96.157	-0.393	0.000	0.04		7.2	OK
1.002		S8141	57 95.982	-0.463	0.000	0.03		10.3	OK
1.003		S8139	57 95.788	-0.467	0.000	0.03		11.0	OK
1.004		S8140	57 95.389	-0.456	0.000	0.04		15.1	OK
1.005		S4008	57 95.217	-0.409	0.000	0.11		18.0	OK
1.006		S4011	57 95.133	-0.456	0.000	0.04		18.6	OK
1.007		S4012	57 94.651	-0.434	0.000	0.07		22.4	OK
3.000		S8157	57 95.944	-0.361	0.000	0.01		2.0	OK
3.001		S8159	57 95.075	-0.405	0.000	0.02		4.5	OK
3.002		S8154	57 94.874	-0.466	0.000	0.03		8.6	OK
3.003		S8155	57 94.697	-0.468	0.000	0.03		11.5	OK
1.008		S5015	57 94.446	-0.399	0.000	0.13		37.2	OK
1.009		S5016	57 94.291	-0.414	0.000	0.10		37.2	OK
1.010	S5017 - PH4 Connection	55 94.136	-0.339	0.000	0.20			40.5	OK
4.000		S5018	57 95.117	-0.287	0.000	0.01		1.8	OK
1.011		S5019	47 94.134	-0.271	0.000	0.27		43.1	OK
1.012	S5020 PH5 Connection	41 94.133	-0.232	0.000	0.33			44.5	OK
1.013		S5021	18 94.132	-0.198	0.000	0.08		46.8	OK

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Summary Wizard of 1440 minute 100 year Winter I+40% for Surface Network 5

PN	US/MH Name	Status
1.016		SURCHARGED
1.017	S5036 - Headwall	OK
7.000	S8135	OK
7.001	S8136	OK
7.002	S8137	OK
7.003	S8161	OK
8.000	S8151	OK
7.004	S8162	OK
7.005	S8152	OK
9.000	S8144	OK
9.001	S8145	OK
7.006	S8146	OK
10.000	S8165	OK
10.001	S8164	OK
7.007	S8147	OK
7.008	S8150	OK
7.009	S8149	OK
11.000	S5037	OK
11.001	S5038	OK
11.002	S5039	OK
12.000	S5040	OK
7.010	S5041	OK
7.011	S5042	OK
7.012	S5047	SURCHARGED
7.013	S8167	SURCHARGED
7.014	S5048 - Headwall	SURCHARGED
1.018	S5049 - Headwall	SURCHARGED
1.019	S5050 Control Chamber	SURCHARGED